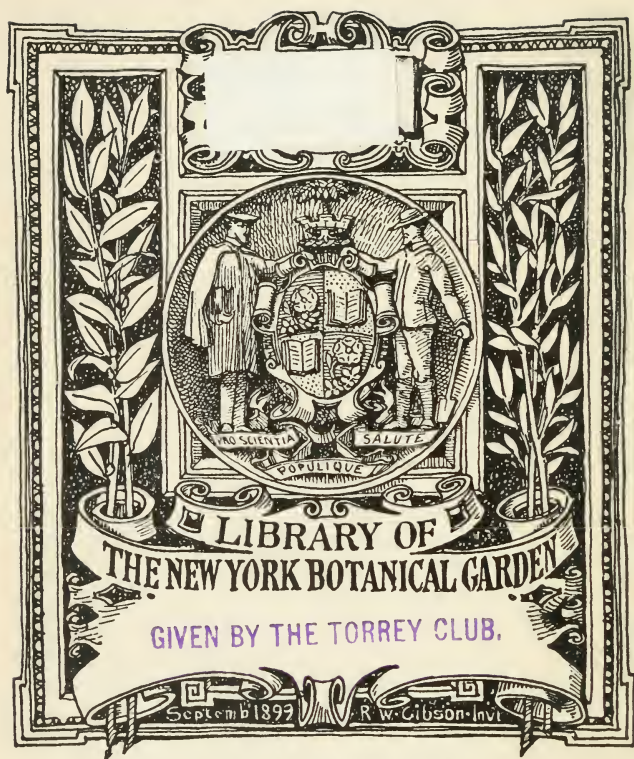


Trinidad.

Plants in the Royal
Botanic Gardens.





{ R. F. Blinn
1 Dec. 1854



Henry Prestoe

PROCEEDINGS
OF THE
SCIENTIFIC ASSOCIATION
OF
TRINIDAD.

PART VI.]

[JUNE 1869.

RANUNCULACEÆ.

- NARAVELIA Zeylanica, DC. Ceylon.
CLEMATIS Caripensis, Kunth. Western Tropics.

DILLENIACEÆ.

- DILLENIA speciosa, Thunb. India.
,, scaberella, Roxb. Assam.
TETRACERA ovalifolia, DC. Trinidad, Venezuela.
DAVILLA rugosa, Poir. W. Indies (Trinidad),
Venezuela, Guiana.

CURATELLA Americana, *L.* Western Tropics.

MAGNOLIACEÆ.

MAGNOLIA grandiflora, *L.* North America.

„ ferruginea, *Andre.* North America.

„ sphenocarpa, *Roxb.* Bengal.

TALAUMA pumila, *Andr.* Amboyna.

MICHELIA Champaca, *L.* Tropical Asia.

SCHIZANDREÆ.

KADSURA Roxburghiana, *Arnott.* Silhet, Trop. Himalayas.

SPHÆROSTEMA grandiflora, *Blume.* Temp. Himalayas.

ANONACEÆ.

ANONA muricata, *L.* W. Indies, Tropical South America.

„ reticulata, *L.* W. Indies (Trinidad).

„ squamosa, *L.* W. Indies (Trinidad).

„ palustris, *L.* W. Indies (Trinidad),
Tropical S. America.

„ Cherimolia, *Mill.* Mexico to New Grenada.

„ laurifolia, *Don.* Jamaica, Tropical America.

ROLLINIA Sieberi, *A.DC.* Mexico, Trinidad, St. Vincent.

„ multiflora, *Splitz.* Trinidad, Trop. S. America.

CANANGA odorata, *Hook.* Java.

ANAXOGORA acuminata, *St. Hil.* Trinidad, Guiana.

UNONA discolor, *Vahl.* India.

„ lævigata, *Wall.* China.

„ „ macropetala, Java.

ARTABOTRYS odoratissimus, *R. Br.* Ceylon, Java.

GUATTERIA suberosa, *Dumal.* S. India, Ceylon.

XYLOPIA frutescens, *Aubl.* W. Indies (Trinidad);

MONODORA grandiflora, *Benth.* Guinea.

MILLUISIA montana, *Gard.* S. India, Ceylon.

GONIOTHALAMUS *Gardnerii.* India.

MENISPERMACEÆ.

COCCULUS Domingensis, *DC.* W. Indies (Trinidad),
Tropical S. America.

„ palmatus, *Decsne.*

TILIACTORA acuminata, *Miers.* Trop. India, Ceylon, Java.

ANAMIRTA Cocculus, *W. & A.* India, Ceylon, Malayan
Isles.

CISSAMPELOS Periera, *L.* All Tropical Countries.

BERBERIDEÆ.

BERBERIS emarginata, North Asia.

NELUMBIACEÆ.

NELUMBIUM speciosum, *Willd.* Asia, Tropical Australia.

„ luteum, *Willd.* Trop. S. America, Jamaica.

NYMPHACEÆ.

VICTORIA regia, *Lindl.* Amazon.

EURYALE ferox, *Salisb.* Bengal, China.

NYMPHÆA ampla, *DC.* W. Indies, Mexico to
Brazil.

„ elegans, Mexico.

„ gigantea, *Hook.* Australia.

„ rubra, India.

„ dentata, Sierra Leone.

PAPAVERACEÆ.

ARGEMONE Mexicana, *L.* Tropical Asia & America.

CRUCIFEREÆ.

CHEIRANTHUS	Cheiri, <i>L.</i>	Europe.
AUBRETTIA	gracilis, <i>Spruce.</i>	South Europe.
IBERIS	umbellata, <i>L.</i>	South Europe.
BRASSICA	oleracea, <i>L.</i>	South Europe.
SINAPIS	alba, <i>L.</i>	South Europe.
	„ brassicata, <i>L.</i>	Tropics.
RAPHANUS	sativus, <i>L.</i>	South Europe.
LEPIDIUM	Virginicum, <i>L.</i>	North America, and W. Indies.

CAPPARIDEÆ.

CLEOME	pentaphylla, <i>DC.</i>	Tropics.
	„ speciosa, <i>Kunth.</i>	Western Tropics.
	„ pungens, <i>Wild.</i>	Western Tropics.
CRATÆVA	gynandra, <i>L.</i>	W. Indies (Trinidad).
	„ Roxburghii, <i>Br.</i>	
CAPPARIS	Jamaicensis, <i>Jacq.</i>	W. Indies (Trinidad).
	„ „ vars. a & b, <i>Grise.</i>	
	„ cynophallophora, <i>L.</i>	W. Indies (Trinidad).
	„ verrucosa, <i>Jacq.</i>	W. Indies (Trinidad).
	„ frondosa, <i>Jacq.</i>	W. Indies (Trinidad).
	„ horrida, <i>L.</i>	India, Ceylon.
STERIPHOMA	elliptica, <i>Spruce.</i>	Trinidad, Cumana.

RESEDACEÆ.

RESEDA	odorata, <i>L.</i>	Shores of the Mediterranean.
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POLYGALACEÆ.

POLYGALA	Timoutou, <i>Aubl.</i>	W. Indies (Trinidad).
	„ longicaulis, <i>Kunth.</i>	W. Indies (Trinidad).

POLYGALA variabilis, <i>Kunth.</i>	W. Indies (Trinidad).
„ Americana, <i>Mill.</i>	W. Indies (Trinidad).
CATACOMA lucida, <i>Benth.</i>	Trinidad, Trop.S.America,
SECURIDACCA volubile, <i>L.</i>	Jamaica, Trinidad.

PITTOSPORACEÆ.

PITTOSPORUM undulatum,	N. S. Wales.
„ Tobira,	Japan.
„ crassifolium,	New Zealand.

VIOLARIÆ.

VIOLA odorata, <i>L.</i>	Europe.
„ tricolor, <i>L.</i>	Europe.

BIXACEÆ.

BIXA orellana, <i>L.</i>	Western Tropics.
FLACOURTIA Ramontchii, <i>Herit.</i>	India.
„ prunifolia, <i>H.B.</i>	India.
„ cataphracta, <i>Rox.</i>	India.
„ sepiaria, <i>Rox.</i>	India.

SAMYDEÆ.

CASEARIA sylvatica, <i>Swartz.</i>	W. Indies (Trinidad).
„ serrulata, <i>Smartz.</i>	W. Indies (Trinidad).
„ parviflora, <i>Wild.</i>	W. Indies (Trinidad).
GUIDONIA spinescens, <i>Grise.</i>	Cuba, Trinidad, Guiana.

CARYOPHYLLACEÆ.

DIANTHUS Chinensis, <i>L.</i>	China.
„ Hedwegii,	Levant.
„ „ laciniatus,	
„ caryophyllus,	Europe.

DRYMARIA cordata, *Willd.* Tropics.

PORTULACACEÆ.

PORTULACA oleracea, *L.* Tropics, and Temperate Zones.

„ pilosa, *L.* Mexico to Brazil.

„ Gilliesii, Mendoza.

PORTULACARIA afra, *Jacq.* Cape Good Hope.

MALVACEÆ.

ALTHEA sinensis, *Cav.* China.

„ „ flore plena,

MALVASTRUM spicatum, *Grise.* W. Indies (Trinidad).

„ tricuspidatum, *Grise.* W. Indies (Trinidad).

SIDA carpinifolia, *L.* W. Indies (Trinidad).

„ rhombifolia, *L.*

„ „ vars. a & b, } Most Tropical Countries.
Grise.

„ urens, *L.* W. Indies, West Africa, Madagascar.

„ cordifolia, *L.* Tropics.

ABUTILON periplocifolium, *G. Don.* Western Tropics.

„ Indicum, *G. Don.* Western Tropics.

„ striatum, *Dick.* Brazil.

„ molle, *G. Don.* Peru.

„ atropurpureum, E. Indies.

BASTARDIA viscosa, *H. B.* West Africa.

MALACHRA capitata, *L.* Western Tropics, Tropical Africa.

„ palmata, *Michx.* Cuba, Trinidad.

MALACHRA	radiata, <i>L.</i>	Western Tropics.
URENA	lobata, <i>L.</i>	Tropics.
	„ sinuata, <i>L.</i>	Tropics.
PAVONIA	bracteosa, <i>Benth.</i>	Trinidad, Guiana.
	„ typhæleoides, <i>Kunth.</i>	Trinidad, Trop. S. America.
	„ racemosa, <i>Swartz.</i>	Western Tropics.
MALVAVISCUS	arboreus, <i>Car.</i>	Jamaica, Bahamas.
	„ mollis, <i>DC.</i>	Mexico.
ABELMOSCHUS	moschatus, <i>Michx.</i>	Central America.
	„ esculentus, <i>W.A.</i>	W. Indies, Guiana.
HIIBISCUS	trilobus, <i>Car.</i>	Jamaica, Trinidad.
	„ Canabinus, <i>L.</i>	India.
	„ Sabdariffa, <i>L.</i>	W. Indies (Trinidad).
	„ fragilis, <i>L.</i>	India, Bourbon.
	„ Lampas, <i>Car.</i>	India, Ceylon, Java.
	„ Lindleyana, <i>Wall.</i>	Tavoy.
	„ fastigiatus,	India.
	„ tulipiflorus, <i>Hook.</i>	Dominica, Trinidad.
	„ Rosa-sinensis, <i>L.</i>	China, India.
	„ „ var. flava-plena.	
	„ „ „ rubra plena.	
	„ „ „ variegata.	
	„ „ „ Indicus.	
	„ populifolius, <i>Don.</i>	India.
	„ liliiflorus,	China.
	„ callosus, <i>Blume.</i>	Java.
	„ tricuspis, <i>Car.</i>	India, Society Isles.
	„ grandiflorus, <i>Michx.</i>	India.
	„ phoeniceus, <i>Jacq.</i>	W. Indies, Venezuela.
GOSSYPIUM	barbadense, <i>L.</i>	W. Indies, Trop. S. America.

- GOSSYPIUM herbaceum, *L.* W. Indies, Tropical S.
America.
PARITIUM tiliaceum, *Adr. Juss.* Tropical Seashores.
,, elatum, *Don.* Tropical South America.
THESPESIA populnea, *Corr.* Society Islands.

BYTTNERIACEÆ.

- GUAZUMA tomentosa, *Kunth.* Western Tropics.
,, ulmifolia, *Lam.* W. Indies (Trinidad).
THEOBROMA Cacao, *L.* Venezuela.
HERRANIA albiflora, Venezuela.
ABROMA fastuosa, *R. Br.* Timor, Australia.
,, augusta, *L. f.* India, Moluccas.
BYTTNERIA scabra, *L.* W. Indies (Trinidad).
KLEINHOVIA hospita, *L.* India.
DOMBEYA mollis, *Hook.* South Africa.
,, Mastersii, *Hook.* West Africa.
KYDIA calycina, *Rox.* India.
RUIZIA variabilis, Bourbon.
ERIOBLÆNA Hookeriana, *W. et A.* South India.
VISENIA velutina, *Foigt.* Java, Mauritius.
PTEROSPERMUM acerifolium,
,, Wild. India.
,, semisagittatum,
,, Ham. Assam.

STERCULIACEÆ.

- ADANSONIA digitata, *L.* West Africa.

PACHIRA aquatica, <i>Aubl.</i>	W. Indies, Trop. S. America.
„ Javanica,	Java.
ERIODENDRON anfractuosum, <i>D. C.</i>	Western Tropics.
DURIO zebethinus, <i>Rumph.</i>	India.
OCHROMA lagopus, <i>Swartz.</i>	W. Indies (Trinidad).
HELICTERES Jamaicensis, <i>Jacq.</i>	W. Indies.
„ baruensis, <i>Jacq.</i>	W. Indies (Trinidad).
„ virgata, <i>Wall.</i>	China.
HERITIERA littoralis, <i>Ait.</i>	India, Ceylon, Java.
„ minor, <i>Lam.</i>	Bengal.
MATISIA cordata, <i>H. B.</i>	New Grenada.
STERCULIA Carthaginensis, <i>Cav.</i>	New Grenada.
„ caribæa, <i>R. Br.</i>	W. Indies (Trinidad).
„ fœtida, <i>L.</i>	India, Ceylon.
„ sp.	East Indies.
COLA acuminata, <i>R. Br.</i>	Tropical Africa.

TILIACEÆ.

TRIUMFETTA Lappula, <i>L.</i>	W. Indies (Trinidad).
„ macrophylla, <i>Wal.</i>	Trinidad, Guiana.
„ semitriloba, <i>L.</i>	Tropics.
SPARMANNIA Africana, <i>L.</i>	Africa.
CORCHORUS olitorius, <i>L.</i>	India.
MUNTINGIA Calabura, <i>L.</i>	Western Tropics.
APEIBA Tibourbou, <i>Aubl.</i>	Western Tropics.
„ ulmifolia, <i>H. B.</i>	Orinoco.
„ Petoumou, <i>Aubl.</i>	Trinidad, Venezuela.
SLOANEA Madagascariensis,	Madagascar.
„ Senemariensis, <i>Aubl.</i>	

GREWIA major, <i>Juss.</i>	India.
„ sepiaria, <i>Rox.</i>	Bengal.
BERRYA amonilla, <i>Rox.</i>	S. India, Ceylon.

TERNSTROEMIACEÆ.

CAMELLIA Japonica, <i>L.</i>	China, Japan.
THEA viridis, <i>L.</i>	China.
„ „ var. erecta,	North India.

GUTTIFERÆ.

QUINA Creugeriana, <i>Grise.</i>	Trinidad.
„ Guianensis, <i>Aubl.</i>	Trinidad, Guiana.
TOVOMITA Amazonica, <i>Walp.</i>	Trinidad to Brazil.
CLUSIA rosea, <i>L.</i>	W. Indies (Trinidad).
„ flava, <i>L.</i>	Jamaica, Trinidad.
„ sp.	St. Lucia.
MORONOBIA coccinea, <i>Aubl.</i>	W. Indies (Trinidad), Tropical S. America.
MAMMEA Americana, <i>L.</i>	W. Indies, Venezuela.
„ humilis, <i>V.</i>	Western Tropics.
CALOPHYLLUM Calaba, <i>Jacq.</i>	W. Indies (Trinidad).
„ inophyllum, <i>L.</i>	Ceylon, India.
GARCINIA Mangostana, <i>L.</i>	Malayan Peninsula and Islands.
„ Gambogia, <i>Desrous.</i>	South India, Ceylon.
„ Livistonii,	India?
„ cornea, <i>L.</i>	Malayan Peninsula and Islands.
XANTHIOCHYMUS ovalifolius, <i>Rox.</i>	Ceylon.
„ pictorius, <i>Rox.</i>	South India, Ceylon.

MESUA ferrea, *L.* South India, Ceylon.

MARCGRAVIACEÆ.

NORANTEA Guianensis, *Wild.* Trinidad, Guiana.

RUYSCHIA Souroubea, *Wild.* Trinidad, Guiana.

MARCGRAVIA umbellata, *L.* W. Indies (Trinidad),
Venezuela.

HYPERICINEÆ.

MARILA racemosa, *Swartz.* W. Indies (Trinidad).

VISMIA ferruginea, *Kunth.* W. Indies (Trinidad).

„ Cayennensis, *Pers.* W. Indies (Trinidad).

HYPERICUM Japonicum, *Thunb.* Japan.

ANCISTROLOBUS carneus, *Wall.* China.

RHIZOBOLÆ.

CARYOCAR nuciferm, *L.* Guiana.

„ butyrosum, *Wild.* Guiana.

„ glabrum, *Pers.* Guiana.

SAPINDACEÆ.

CARDIOSPERMUM Helicacabum, *L.* Tropical Asia.

„ microcarpum, *Kunth.* Tropics.

SERJANIA paucidentata, *DC.* Trinidad, Guiana.

PAULLINIA pinnata, *L.* Tropics.

„ vespertilio, *Swartz.* W. Indies (Trinidad),
Guiana.

CUPANIA Americana, *L.* W. Indies (Trinidad),
Tropical America.

BLIGHIA sapida, *Kæn.* Western Africa.

SAPINDUS Saponaria, *L.* W. Indies (Trinidad),
Tropical America.

SAPINDUS	Indicus, <i>Poir.</i>	India.
„	emarginatus, <i>Vahl.</i>	India, Ceylon.
„	fruticosus, <i>Rox.</i>	Moluccas.
„	sp.	Bengal.
NEPHELIUM	Litchi, <i>W. et A.</i>	China.
„	Mora,	China, Japan.
„	erectum,	India.
„	sp.	
MELICOCCA	bijuga, <i>L.</i>	W. Indies (Trinidad).
HYPELATE	trifoliata, <i>Sw.</i>	Trinidad, Guiana.
DODONEA	viscosa, <i>L.</i>	Tropics.
FELICIUM	decipiens, <i>Thwaites.</i>	Ceylon.
URVILLEA	ferruginea, <i>H. B. K.</i>	

MALPIGHIACEÆ.

BYRSONIMA	spicata, <i>Rich.</i>	W. Indies (Trinidad).
„	crassifolia, <i>Kunth.</i>	W. Indies (Trinidad).
BUNCHOSIA	polystachya, <i>DC.</i>	W. Indies (Trinidad).
„	sp.	Trinidad.
MALPIGHIA	glabra, <i>L.</i>	W. Indies, Tropical South America.
„	coccigera, <i>L.</i>	W. Indies.
„	urens, <i>L.</i>	W. Indies.
„	punicifolia, <i>L.</i>	W. Indies.
STIGMAPHYLLUM	diversifolium, <i>Tuss.</i>	W. Indies (Trinidad).
HETEROPTERIS	macrostachya, <i>Tuss.</i>	W. Indies (Trinidad).
ERYTHROXYLÆ.		
ERYTHROXYLON	ovatum, <i>Car.</i>	W. Indies (Trinidad).
„	Coca, —	Brazil, Peru.

OLACINEÆ.

- XIMENIA Americana, *L.* W. Indies, Tropical Africa and India.

MELIOIDEÆ.

- MELIA sempervirens, *L.* Tropics.
 „ Azadarachta, *L.* Tropics.
 TRICHILIA hirta, *L.* W. Indies (Trinidad),
 New Grenada.
 PHOLACILIA Trinitensis, *Grise.* Trinidad.
 „ diversifolia, *Grise.* Trinidad, Dominica.
 MOSCHOXYLON Swartzii, *Juss.* W. Indies (Trinidad).
 CARAPA Guianensis, *Aubl.* Trinidad, Tropical South
 America, Senegambia.
 „ sp. Trinidad.
 CEDRELA odorata, *L.* W. Indies (Trinidad),
 Tropical South America.
 SWEITENIA Mahogani, *L.* Honduras, Jamaica.

AURANTIACEÆ.

- TRIPHRASIA trifoliata, *DC.* China.
 LIMONIA acidissima, *L.* India.
 MURRYA exotica, *L.* India, Ceylon.
 BERGERA Kœnigii, *L.* South India, Ceylon.
 COOKIA punctata, *Retz.* China.
 FERONIA elephantum, *Corv.* India, Ceylon.
 ÆGLE Marmelos, *Corv.* India, Ceylon.
 CITRUS decumana, *L.* Moluccas.
 „ Medica, *L.* Asia.
 „ limonum, *L.* Asia.
 „ „ var. Brazilian Lemon.

CITRUS	limetta, <i>L.</i>	Asia.
„	limetta vars. St. Michaels.	
„	„ „ Bengal.	
„	„ „ Persian.	
„	aurantium, <i>Riss.</i>	Asia.
„	„ vars. Sweet Seville.	
„	„ „ Prolific.	
„	„ „ Navel.	
„	„ „ Silver.	
„	„ „ Maltese blood-orange.	
„	nobilis, <i>H. R.</i>	
„	„ minor.	
„	hystrix, <i>DC.</i>	India.

AMPELIDEÆ.

CISSUS	discolor, <i>Blume.</i>	Java.
„	quadrangulare, <i>L.</i>	Cape Good Hope.
„	sicyoides, <i>L.</i>	W. Indies (Trinidad), Tropical America.
„	rhombifolia, <i>V.</i>	Trinidad.
„	trifoliata, <i>L.</i>	W. Indies (Trinidad), New Grenada.
„	sp.	Trinidad.
„	sp.	Singapore.
VITIS	caribæa, <i>DC.</i>	W. Indies (Trinidad), Tropical America.
„	vinifera, <i>L.</i>	
„	„ vars. Muscadine.	
„	„ „ Black Hambro.	
„	„ „ Muscat of Alexandria.	
LEEA	coccinea,	India.

LEEA hirta, <i>Banks.</i>	Bengal.
„ sanguinea,	Bengal.
„ sambucina, <i>Wild.</i>	India.
„ horrida,	Sandwich Islands, India.

GERANIACEÆ.

PELARGONIUM cuspidatum, *Ait.* Cape Good Hope.

„	crithmifolium, <i>Sm.</i>
„	graveolens, <i>Ait.</i>
„	cucullatum, <i>Ait.</i> Cape Good Hope.
„	zonale, <i>Ait.</i> Cape Good Hope.
„	„ varieties.
„	inquinans, <i>Ait.</i> Cape Good Hope.
„	„ varieties.

OXALIDÆÆ.

OXALIS Martiana, <i>Lucc.</i>	Western Tropics.
„ corniculata, <i>L.</i>	Tropical and most Temperate Regions.
„ Barrelierii, <i>Jacq.</i>	Panama to Brazil (Trinidad).
„ pleuperifolia,	Sandwich Islands.
AVERRHOA Bilimbi, <i>L.</i>	India, China.
„ Carambola, <i>L.</i>	India, China.

BALSAMINEÆ.

IMPATIENS latifolia, <i>Hook.</i>	India.
„ Balsaminia, <i>Hort.</i>	India.

TROPEOLEÆ.

TROPEOLUM majus, <i>L.</i>	Peru.
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TROPEOLUM sp. Venezuela.

ZYGOPHYLLACEÆ.

ZYGOPHYLLUM sp. Trinidad.

GUAIAACUM officinale, *L.* Cuba to Venezuela (Trinidad).

RUTEÆ.

LEMONIA spectabilis, *Lindl.* India.

ESENBECKIA attenuata, *Grise.* Trinidad.

„ castanocarpa, *Grise.* Trinidad.

METRODOREA atropurpurea, *St. Hil.* Brazil.

RUTA graveolens, *L.* South Europe.

ZANTHOXYLACEÆ.

ZANTHOXYLON clava-herculis, *L.* W. Indies (Trinidad).

„ aromaticum, *Wild.* W. Indies (Trinidad).

SIMARUBEÆ.

SIMABA Cedron, *Aubl.* New Grenada.

QUASSIA amara, *L. f.* W. Indies (Trinidad),
Guiana, Venezuela.

SPATHELIA simplex, *L.* Jamaica.

OCHINACEÆ.

GOMPHIA nitida, *Swartz.* W. Indies (Trinidad).

„ Guianensis, *Rich.* Guiana, Trinidad.

OCHINA squarrosa, *L.* South India, Ceylon.

„ atropurpurea, *Decsne.* Cape Good Hope.

AMYRIDEÆ.

BALSAMODENDRON corticosum, India.

ICICA heptaphylla, <i>Aubl.</i>	W. Indies (Trinidad), Guiana.
BURSERA gummiifera, <i>L.</i>	W. Indies (Trinidad), Guiana.
HEDWIGIA balsamifera, <i>Swartz.</i>	W. Indies (Trinidad), Guiana.
CANARIUM commune, <i>L.</i>	Moluccas.
AMYRIS balsamifera, <i>L.</i>	Jamaica, Trinidad, Ve- nezuela.
„ maritima, <i>Jacq.</i>	Trinidad, Cuba.
„ sylvatica, <i>Jacq.</i>	Tropics.

ANACARDIACEÆ.

COMOCLADIA, <i>ilicifolia, Swartz.</i>	St. Kitts, Antigua.
ASTRONIUM obliquum, <i>Grise.</i>	Trinidad.
MANGIFERA Indica, <i>L.</i>	India.
„ „ vars.	Great Malda.
„ „	Small Malda.
„ „	Gordon.
„ „	Martinique.
„ „	Peters.
„ „	Strawberry.
„ „	Sierra Leone.

ANACARDIUM occidentale, *L.* Western Tropics.

SEMECARPUS anacardium, *L.* Coromandel.

SPONDIAS lutea, *L.* Western Tropics.

„ purpurea, <i>L.</i>	Jamaica, New Grenada.
„ dulcis, <i>Forst.</i>	Society Islands.
„ emarginata,	India.
„ sp.	Bengal.

LEGUMINOSÆ.

CROTALARIA	stipularis, <i>Desv.</i>	W. Indies (Trinidad).
,,	retusa, <i>L.</i>	W. Indies (Trinidad).
HYMENOCARPUS	inebrians.	
INDIGOFERA	violacea,	India.
,,	hirsuta, <i>L.</i>	E. Indies, Naturalized in Western Tropics.
,,	tinctora, <i>L.</i>	India.
,,	Anil, <i>L.</i>	India, Naturalized in Western Tropics.
,,	Saundersii,	South Africa.
,,	viscosa, <i>L.</i>	W. Indies (Trinidad).
TEPHROSIA	toxicaria, <i>Pers.</i>	Mexico to Brazil.
,,	candida, <i>D. C.</i>	India.
SABINEA	carinata, <i>Grise.</i>	W. Indies (Trinidad).
COURSETIA	arborea, <i>Grise.</i>	W. Indies (Trinidad).
SESBANIA	occidentalis, <i>Pers.</i>	W. Indies (Trinidad).
AGATI	grandiflora, <i>Desv.</i>	E. Indies.
,,	coccinea, <i>Desv.</i>	E. Indies.
PISUM	sativum, <i>L.</i>	S. Europe.
ARACHIS	hypogæa, <i>L.</i>	Tropics.
PICTETIA	squamata, <i>Poir.</i>	Brazil.
ZORNIA	diphylla, <i>Pers.</i>	Tropics.
ÆSCHYNOMENE	Braziliana, <i>D. C.</i>	Western Tropics.
ASLYICARPUS	vaginalis, <i>D. C.</i>	E. Indies.
LOUREA	vespertilionis, <i>Desv.</i>	India.
,,	sp.	Australia.
DESMODIUM	gangeticum, <i>DC.</i>	Tropical Asia.

DESMODIUM	latifolium, <i>DC.</i>	Tropical Asia.
„	gyrans, <i>DC.</i>	Eastern Tropics.
„	gyroides, <i>DC.</i>	E. Indies.
„	barbatum, <i>Benth.</i>	Western Tropics.
„	triflorum, <i>DC.</i>	Western Tropics.
„	ascendens, <i>DC.</i>	Western Tropics.
„	axillare, <i>DC.</i>	Western Tropics.
„	scopiuris, <i>Desv.</i>	Western Tropics.
„	spirale, <i>DC.</i>	Western Tropics.
CLITORIA	Ternatea, <i>L.</i>	Tropics.
„	glycinoides, <i>DC.</i>	Western Tropics.
„	arborescens, <i>Ait.</i>	Trinidad, Guiana.
CENTROSEMA	Plumieri, <i>Benth.</i>	Western Tropics.
„	virginianum, <i>Benth.</i>	Western Tropics.
„	Braziliensis,	Trinidad, Brazil.
STENOLOBIUM	cæruleum, <i>Benth.</i>	Western Tropics.
GALACTIA	filiformis, <i>Benth.</i>	Trinidad.
DIOCLEA	violacea, <i>Benth.</i>	Trinidad, Guiana.
„	Guianensis, <i>Benth.</i>	Trinidad, Guiana.
CANAVALIA	obtusifolia, <i>DC.</i>	Tropics.
„	altissima, <i>DC.</i>	Jamaica, Trinidad.
MUCUNA	pruriens, <i>DC.</i>	Tropics.
„	altissima, <i>DC.</i>	Western Tropics.
„	urens, <i>DC.</i>	Western Tropics.
ERYTHRINA	corrallodendron, <i>L.</i>	Western Tropics.
„	umbrosa, <i>L.</i>	W. Indies, Venezuela.
„	velutina, <i>Wild.</i>	Trinidad, Jamaica.
„	ovalifolia, <i>Roxb.</i>	Ceylon.
„	monosperma, <i>Lam.</i>	Java, Sandwich Islands.

ERYTHRINA	<i>caffra</i> , <i>Thumb.</i>	North Africa.
„	<i>herbacea</i> , <i>L.</i> ?	
BUTEA	<i>frondosa</i> , <i>Roxb.</i>	India, Ceylon.
PHASEOLUS	<i>semierectus</i> , <i>L.</i>	Tropics.
„	<i>lunatus</i> , <i>L.</i>	Tropics.
„	<i>lasiocarpus</i> , <i>Mart.</i>	Trinidad, Trop. South America.
VIGNA	<i>luteola</i> , <i>Benth.</i>	Western Tropics.
„	<i>vexillata</i> , <i>Rich.</i>	Tropics.
DOLICHOS	<i>lablab</i> , <i>L.</i>	Tropics.
„	<i>lignosus</i> , <i>L.</i>	Tropics.
PACHYRRHIZUS	<i>angulatus</i> , <i>Rich.</i>	Tropics.
CAJANUS	<i>Indicus</i> , <i>Spreng.</i>	India.
ERIOSEMA	<i>violacea</i> , <i>Mey.</i>	Trinidad, Guiana.
RHYNCHOSIA	<i>minima</i> , <i>DC.</i>	W. Indies (Trinidad).
„	<i>phasioloides</i> , <i>DC.</i>	W. Indies (Trinidad).
FLEMINGIA	<i>strobilifera</i> , <i>R. Br.</i>	India.
„	<i>semialata</i> , <i>Roxb.</i>	India.
ABRUS	<i>precatorius</i> , <i>L.</i>	Tropical Asia, W. Indies.
HECASTOPHYLLUM	<i>Brownii</i> ,	
	<i>Pers.</i>	Tropics.
„	<i>monetaria</i> , <i>DC.</i>	Western Tropics.
PTEROCARPUS	<i>Rohrii</i> , <i>Mey.</i>	Western Tropics.
„	<i>dalbergioides</i> , <i>Roxb.</i>	Adaman Islands.
„	<i>Marsupium</i> , <i>Roxb.</i>	South India.
„	<i>Draco</i> , <i>L.</i>	Trinidad, Trop. South America.
CENTROLOBIUM	<i>Parceanum</i> , <i>Hill.</i>	Guiana, Trinidad.
DREPANOCARPUS	<i>lunatus</i> , <i>Mey.</i>	Western Tropics.

- MACHÆRIUM robinifolium, *Vog.* Western Tropics.
 LONCHOCARPUS latifolius, *Kunth.* Western Tropics.
 „ sericeus, *Kunth.* Western Tropics.
 „ violaceus, *Kunth.* Western Tropics.
 PLATYMISCIUM platystachyum,
 Benth. Trinidad, Guiana.
 PISCIDIA erythrina, *L.* Western Tropics.
 ANDIRA inermis, *Kunth.* W. Tropics, Senegambia.
 „ sp. Trinidad.
 DIPTERYX odorata, *Wild.* Guiana, Venezuela.
 „ sp. Venezuela.
 SOPHORA tomentosa, *L.* Tropics.
 ORMOSIA dasycarpa, *Jacks.* W. Indies.
 DIPLOTROPIS brachypetala, *Ful.* W. Indies, T. S. America.
 MYROSPERMUM frutescens, *Jacq.* Trinidad, Guiana.
 „ peruiferum, *DC.* Peru.
 HÆMATOXYLON Campeachia-
 num, *L.* Yucatan, Jamaica.
 PARKINSONIA aculeata, *L.* W. Indies.
 POINCIANA regia, *Boj.* Madagascar.
 „ pulcherrima, *L.* Tropics.
 „ Gilliesii, *Hook.* Chili.
 COULTERIA Guianensis, Guiana.
 CÆSALPINIA Sappan, *L.* India.
 „ sepiaria, *Roxb.* India.
 „ paniculata, *Desf.* India.
 „ paucijuga, *Benth.* Venezuela.
 „ ferruginea, India.
 LEBIDIBIA coriaria, *Schlect.* W. Indies, Tr. S. America.

COLVILLEA racemosa, <i>Boj.</i>	Madagascar.
CASSIA fistula, <i>L.</i>	India, China.
„ baccillaris, <i>L.</i>	W. Indies (Trinidad).
„ viminea <i>L.</i>	W. Indies (Trinidad).
„ grandis, <i>L.</i>	W. Indies (Trinidad).
„ spectabilis, <i>DC.</i>	W. Indies, S. America.
„ multijuga, <i>R.</i>	W. Indies, Guiana.
„ occidentalis, <i>L.</i>	Tropics.
„ glandulosa, <i>Vogt.</i>	W. Indies (Trinidad).
„ obtusifolia, <i>L.</i>	Java.
„ glauca, <i>Lam.</i>	W. Indies (Trinidad).
„ patellaria, <i>DC.</i>	Western Tropics.
SWARTZIA grandiflora, <i>Wild.</i>	Trinidad, Tr. S. America.
„ pinnata, <i>Wild.</i>	Trinidad, Guiana.
„ sp.	Trinidad.
BROWNEA Rosa, <i>Berg.</i>	Trinidad, St. Vincent, Venezuela.
„ latifolia, <i>Jacq.</i>	Trinidad, Venezuela.
„ grandiceps, <i>Jacq.</i>	Venezuela.
„ capitella, <i>Jacq.</i>	Venezuela.
„ sp.	Venezuela.
AMHERSTIA nobilis, <i>Wall.</i>	Burmah.
JONESIA Asoca, <i>Roxb.</i>	S. India, Ceylon, Java.
„ minor, <i>Zoll.</i>	Java.
SCHOTTIA speciosa, <i>Jacq.</i>	South Africa.
EPERUA falcata, <i>Aubl.</i>	Guiana.
PARIVOA grandiflora, <i>Aubl.</i>	Guiana.
TACHIGALIA bijuga, <i>Aubl.</i>	Guiana.
TAMARINDUS Indicus, <i>L.</i>	Asia.

VOUAPA bifolia, <i>Aubl.</i>	Guiana.
MACROLOBIUM multijugum,	Venezuela.
PELTogyNE paniculata, <i>Aubl.</i>	Guiana, Brazil.
„ porphyrocardia, <i>Grise.</i>	Trinidad, Guiana.
HYMENÆA Courbaril, <i>L.</i>	W. Indies, Tr. S. America.
„ verrucosa,	
CASPAREA porrecta, <i>Kunth.</i>	Jamaica, Trinidad.
PHANERA purpurea, <i>Benth.</i>	India, Ceylon, China.
„ VahlII, <i>Benth.</i>	India.
„ diphylla, <i>Benth.</i>	Burmah.
BAUHINIA variegata, <i>L.</i>	E. Indies (Trinidad).
„ megalandra, <i>Grise.</i>	W. Indies, Venezuela.
„ ungula, <i>Jacq.</i>	W. Indies, Venezuela.
„ Bredemeyeri, <i>Vog.</i>	Venezuela, Trinidad.
„ sp.	Trinidad.
„ auguina, <i>Roxb.</i>	Malaba, Sylhet.
„ Mexicana,	Mexico, Venezuela.
SCHNELLA excisa, <i>Grise.</i>	Trinidad, Panama.
PRIORIA copaifera, <i>Grise.</i>	Trinidad, Jamaica.
COPAIFERA officinalis, <i>Jacq.</i>	Trinidad, St. Vincent, Venezuela.
„ sp.	Trinidad.
CRUDYA oblonga, <i>Benth.</i>	Trinidad, Guiana, Vene- zuela.
CYNOMETRA cauliflora, <i>L.</i>	S. India, Java, Sumatra.
DETARIUM senegalense, <i>Gmel.</i>	Venezuela.
MORA excelsa, <i>Benth.</i>	Trinidad, Guiana.
GLEDITCHIA sp.	Ceylon.
PENTACLETHRA filamentosa,	
„ <i>Benth.</i>	W. Indies (Trinidad).

PARKIA Africana, <i>R. Br.</i>	E. Africa.
ENTADA polystachya, <i>DC.</i>	W. Indies (Trinidad), Trop. S. America.
ADENANTHERA pavonina, <i>L.</i>	India.
NEPTUNIA plena, <i>Benth.</i>	Western Tropics.
„ oleracea, <i>Lour.</i>	Tropics.
DESMANTHUS virgatus, <i>Wild.</i>	Tropics.
MIMOSA pudica, <i>L.</i>	Tropics.
„ asperata, <i>L.</i>	Tropics.
„ polydactyla, <i>Humb.</i>	St. Vincent, Trinidad.
„ ceratonia, <i>L.</i>	W. Indies (Trinidad).
„ floribunda, <i>Wild.</i>	Trinidad.
„ sp.	Trinidad.
SCHRANKIA brachycarpa, <i>Benth.</i>	Trinidad, Tr. S. America.
LEUCÆNA glauca, <i>Benth.</i>	Tropics.
ACACIA Catechu, <i>Wild.</i>	India.
„ tortuosa, <i>Wild.</i>	Tropics.
„ Farnesiana, <i>Wild.</i>	Tropics.
„ Arabica, <i>Wild.</i>	India, Egypt & S. Africa.
„ leucophlæa, <i>Wild.</i>	India, Burmah.
„ Julibrissin, <i>Wild.</i>	Asia.
„ Lebbek, <i>Wild.</i>	E. Tropics.
„ cornigera, <i>Wild.</i>	North Tropical America.
„ eburnea, <i>Wild.</i>	India.
„ sarmentosa, <i>Desv.</i>	Western Tropics.
„ macracantha, <i>H. B.</i>	Western Tropics.
„ Lophanta, <i>Wild.</i>	Australia.
„ leptophylla, <i>DC.</i>	Brazil.
„ laurifolia, <i>Wild.</i>	N. S. Wales.
„ cultriformis, <i>A. Cunn.</i>	S. Australia.

CALLIANDRA Portoricensis, *Benth.* Jamaica, Porto Rico.

„ Creugerii, *Grise* Trinidad, Venezuela.

„ tergemina, *Benth.* W. Indies.

„ Guildingii, *Benth.* St. Vincent.

„ latifolia, *Grise* Trinidad.

„ sp.

„ sp. Mexico.

„ Saman, *Grise.* Caracas, Nicaragua.

ENTEROLOBIUM cyclocarpum, *Grise.* Jamaica, Venezuela.

PITHECOLOBIUM unguiscati, *Benth.* W. Tropics.

„ oblongum, *Benth.* W. Indies (Trinidad),
Venezuela.

INGA laurina, *Wild.* W. Indies (Trinidad).

„ heterophylla, *Wild.* Guiana, Trinidad.

„ setifera, *Benth.* Trinidad, Brazil.

„ vera, *Wild.* W. Indies (Trinidad).

„ ingoides, *Wild.* W. Indies (Trinidad).

„ purpurea, *Benth.* W. Indies, Venezuela.

„ pulcherrima, *Pant.* Mexico.

MORINGACEÆ.

MORINGA pterygosperma, *Gærtn.* Tropical Asia.

ROSACEÆ.

ROSA microphylla, *Rox.* China.

„ rubiginosa, *L.* England.

„ centifolia mucosa, *Scr.* South Europe.

„ Indica, *L.* China.

„ „ Archduke Charles.

„ „ Cramoisie Supérieure.

„ „ Fabvier.

„ „ Gonda.

ROSA Indica, L. Lawrenceana.

„	„	L'Eblouissant.
„	„	Louis Philippe.
„	„	Mdme. Bosanquet.
„	„	President d'Olbeque.
„	„	Æillet.
„	„	Vicomtesse d'Aubergne.
„	„	Old China.
„	„	odoratissima, <i>Lindl.</i>
„	„	Adam.
„	„	Aurora.
„	„	Adoration.
„	„	Blanche.
„	„	Bougere.
„	„	Boutin d'Or.
„	„	Caroline.
„	„	Clothilde.
„	„	Comte de Paris.
„	„	Comte Osmunde.
„	„	Devoniensis.
„	„	Eliza Sauvage.
„	„	Gloire de Dijon.
„	„	Isabella Sprunt.
„	„	Lais.
„	„	Lady of the Lake.
„	„	Modeste.
„	„	Mdme. Paul.
„	„	„ William.
„	„	„ Falcott.
„	„	„ Villermoz.

ROSA I. odoratissima, *Lindl.*

		Mdme. Maurin.
"	"	" Pauline Labonte.
"	"	" Lacharme.
"	"	Marechal Bugeaud.
"	"	" Niel.
"	"	Narcisse.
"	"	Nephetos.
"	"	Odorata.
"	"	President.
"	"	Reine de Portugal.
"	"	Souvenir d'un Ami.
"	"	Sophrano.
"	"	Smithii.
"	"	Sombreuil.
"	"	Triomphe de Luxembourg.
"	"	Vicomtesse de Cazes.
"	"	Bourboniana.
"	"	Acidalie.
"	"	Armosa.
"	"	Catherine Guillot.
"	"	Charles Duval.
"	"	Comte Bobrinsky.
"	"	Dupetit Thouars.
"	"	Edouard.
"	"	Gloire de Rosemenes.
"	"	Empress Eugénie.
"	"	L'Avenir.
"	"	La Reine Bourbon.
"	"	Mdme. Bréon.
"	"	" Desprez.

ROSA I. Bourboniana.

		Modèle de Perfection.
"	"	Paul Joseph.
"	"	Princess Royal.
"	"	Prince Albert.
"	"	Prince Imperial
"	"	Souvenir de la Malmaison.
"	"	Vorace.
"	"	Noisettiana.
"	"	Amiée Vibert.
"	"	Caroline Marniesse.
"	"	Celine Forestier.
"	"	Cloth of Gold.
"	"	Du Luxembourg.
"	"	Fellenberg.
"	"	La Biche.
"	"	Lamarque.
"	"	Mdme. Massot.
"	"	Miss Glegg.
"	"	Ophirie.
"	"	Solfaterre.
"	"	Triomphe de Rennes.
"	Portlandica	perpetua.
"	"	Abd-el-Kader.
"	"	Abraham Lincoln.
"	"	Achille Gonod.
"	"	Alex. Dumas.
"	"	Alfred de Rougemont.
"	"	André Leroy.
"	"	Anna da Diesbach.
"	"	Antoine Duchère.

ROSA P. perpetua. Augusta Mie.

„	„	Auguste Rivière.
„	„	Baron Hallez.
„	„	Baronne de Rothchild.
„	„	Baronne Prevost.
„	„	Beauty of Waltham.
„	„	Belle Normande.
„	„	Cardinal Patrizzi.
„	„	Caroline de Sansol.
„	„	Charles Lefevre.
„	„	Comte de Nanteuil.
„	„	Deuil de Prince Albert.
„	„	Dr. Andry.
„	„	Dr. Marx.
„	„	Duc de Cazes.
„	„	Duchesse de Cambaceres.
„	„	Duchesse de Mornay.
„	„	Duke of Wellington.
„	„	Empéreur de Moroc.
„	„	François Treyoe.
„	„	Geant des Batailles.
„	„	Genl. Jacqueminot.
„	„	Washington.
„	„	George Paul.
„	„	Gloire de Montplaisir.
„	„	Jean Rosenkrantz.
„	„	Ipswich Jem.
„	„	J. G. Veitch.
„	„	Jules Margottin.
„	„	La Brillant.

ROSA P. perpetua. La Reine.

”	”	Lady Suffield.
”	”	Leon des Combats.
”	”	Lord Raglan.
”	”	Louis Chaix.
”	”	Mrs. Ward.
”	”	Mdme. Verschaffelt.
”	”	Mdme. Boll.
”	”	Mdme. Campbell d’Islay.
”	”	Mdme. Wood.
”	”	Mdme. Clémence Joigneaux.
”	”	Mdme. Domage.
”	”	Mdme. Fillion.
”	”	Mdme. Laffay.
”	”	Mdme. Schmidt.
”	”	Mdme. Rivers.
”	”	Mdme. Rival.
”	”	Mdme. V. Verdier.
”	”	Mdme. Vidot.
”	”	Mdlle. Peyronny.
”	”	Mdlle. Jean Marie.
”	”	Maurice Bernardine.
”	”	Mons. Boncenne.
”	”	Mons. Norman.
”	”	Mou Plaisir.
”	”	Oderic Vital.
”	”	Ornement des Jardins.
”	”	Pauline Lansezeur.
”	”	Pierre Notting.
”	”	Pius Ninth.

ROSA P. *perpetua*. Prince Noir.

„	„	Princess Alice.
„	„	Princess Marie of Cambridge.
„	„	Professor Koch.
„	„	Reine de Violettes.
„	„	Senateur Vaise.
„	„	Sœur des Anges.
„	„	Souvenir de Leveson Gower.
„	„	Souvenir de la Reine d'Angleterre.
„	„	Souvenir de la Reine des Belges.
„	„	Thorin.
„	„	William Griffith.
„	„	William Jesse.
„	„	William Paul.

RUBUS *Jamaicensis*, Swartz. Jamaica.

„ sp. Martinique.

FRAGARIA *vesca*, var. *L.* Europe.

POTENTILLA sp. Sandwich Islands.

SPIRÆA *Reevesii*—*alba-plena*. China.CYDONIA *sinensis*, Tourne. China.ERIOBOTRYA *Japonica*, Lindl. Japan.PYRUS *malus*, var. *L.* Britain.AMYGDALUS *Persica*, *L.* Persia.PRUNUS *occidentalis*, Swartz. Jamaica, Trinidad.CHRYSOBALANUS *leuco*, *L.* W. Indies (Trinidad), Tropical Africa & America.„ *pellocarpus*, Mey. Trinidad, Guiana.HIRTELLA *racemosa*, Lam. Western Tropics.„ *paniculata*, Sw. W. Indies, Guiana.„ *triandra*, Swartz. Cuba to Brazil, Trinidad.

EUGENIA	Poiretii, <i>DC.</i>	Trinidad, Hayti.
,,	Surinamensis, <i>Schat.</i>	Trinidad.
,,	Gregii, <i>DC.</i>	Dominica, Trinidad.
,,	ligustrina, <i>Wild.</i>	W. Indies.
,,	sp.	Trinidad.
,,	rufescens, <i>DC.</i>	
JAMBOSA	Aquea, <i>Rumph.</i>	E. Indies.
,,	vulgaris, <i>DC.</i>	E. Indies.
,,	Malaccensis, <i>DC.</i>	E. Indies.

BARRINGTONIACEÆ.

BARRINGTONIA	speciosa, <i>L.</i>	India, Ceylon, Java.
,,	acutangula, <i>Gart.</i>	Ceylon, Moluccas.
GUSTAVIA	augusta, <i>L.</i>	Trinidad, Surinam, New Granada.
GRIAS	cauliflora, <i>L.</i>	Jamaica.

LECYTHIDACEÆ.

COURATARI	sp.	Trinidad, South America.
LECYTHIS	Idatimon, <i>Aubl.</i>	Trinidad, Guiana.
,,	minor, <i>Jacq.</i>	Brazil.
,,	lævifolia, <i>Grise.</i>	Trinidad.
,,	sp.	Trinidad.
BERTHOLETIA	excelsa, <i>H.B.</i>	Brazil.
COUROUPITA	Guianensis, <i>Aubl.</i>	Trinidad, Guiana.

MELASTOMACEÆ.

LOREYA	trinitensis, <i>Creug.</i>	Jamaica, Trinidad.
MEDINILLA	magnifica, <i>Lindl.</i>	Formosa, Japan.
CYANOPHYLLUM	magnificum,	Brazil.

CLIDENIA	<i>hirta</i> , <i>Don</i> .	W. Indies (Trinidad).
,,	<i>spicata</i> , <i>DC</i> .	Western Tropics.
,,	<i>Creugeriana</i> , <i>Grise</i> .	Trinidad.
,,	<i>latifolia</i> , <i>DC</i> .	W. Indies (Trinidad).
,,	<i>rubra</i> , <i>Mart</i> .	Western Tropics.
TSCHUDYA	<i>lanata</i> , <i>Grise</i> .	Trinidad, Dominica.
,,	<i>rufescens</i> , <i>DC</i> .	Trinidad, Brazil.
HENRIETTA	<i>succosa</i> , <i>DC</i> .	Trinidad, America.
DAVYA	<i>ciliata</i> , <i>DC</i> .	Trinidad.
HETEROCENTRUM	<i>Mexicanum</i> , <i>Mexico</i> .	
DIPLOCHITA	<i>parviflora</i> , <i>Benth</i> .	Trinidad.
,,	<i>tomentosa</i> , <i>Grise</i> .	Trinidad, Brazil.
CONOSTEGIA	<i>subhirsuta</i> , <i>DC</i> .	Western Tropics.
MICONIA	<i>Peruviana</i> , <i>DC</i> .	Western Tropics.
,,	<i>argyrophylla</i> , <i>DC</i> .	Western Tropics.
,,	<i>holosericea</i> , <i>DC</i> .	Western Tropics.
,,	<i>prasina</i> , <i>DC</i> .	Western Tropics.
,,	<i>myriantha</i> , <i>Benth</i> .	Western Tropics.

LYTHRARIÆ.

CUPHEA	<i>Trinitatis</i> , <i>DC</i> .	St. Vincent, Trinidad.
,,	<i>platycentra</i> , <i>Lindl</i> .	Brazil.
GRISLEA	<i>tomentosa</i> , <i>Rox</i> .	India.
,,	<i>sp</i> .	India.
LAWSONIA	<i>alba</i> , <i>Lam</i> .	Egypt, India.
LAFÆNSIA	<i>microphylla</i> , <i>Vaudl</i> .	Brazil.
LAGERSTRÆMIA	<i>regina</i> , <i>Rox</i> .	Ceylon, Malabar.
,,	<i>Indica</i> , <i>L</i>	India, Java.

ONAGRARIÆ.

JUSSLÆA	<i>variabilis</i> , <i>Mey</i> .	Western Tropics.
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JUSSLÆA suffruticosa, <i>L.</i>	Tropics.
„ hirta, <i>Vaudl.</i>	Western Tropics.
ÆNOTHERA procumbens, <i>L.</i>	Brazil.

COMBRETACEÆ.

BUCIDA Buceras, <i>L.</i>	W. Indies (Trinidad).
TERMINALIA Catappa, <i>L.</i>	South Europe, Tropical Asia, Africa, Naturalized in Western Tropics.
„ Belerica, <i>Rox.</i>	India, Ceylon.
„ Mauritiana, discolor, <i>Mauritius.</i>	
„ Fatræa, <i>DC.</i>	Madagascar.
„ laurina,	Mauritius.
„ sp.	Trinidad.
PENTAPTERA coriacea, <i>Rox.</i>	South India.
CHUNCOA obovata, <i>Poir.</i>	W. Indies (Trinidad).
„ sp.	Trinidad.
CONOCARPUS erectus, <i>L.</i>	W. Indies (Trinidad).
LAGUNCULARIA racemosa, <i>G.</i>	Western Tropics, Africa.
COMBRETUM laxum, <i>Læfl.</i>	Trinidad, America.
„ eriopetalum, <i>Don.</i>	West Indies.
CACOUCIA coccinea, <i>Aubl.</i>	Trinidad, Guiana.
POIVREA coccinea, <i>DC.</i>	Madagascar.
QUISQUALIS Indica, <i>L.</i>	South India, Pegu, Malay Islands.

RHIZOPHORACEÆ.

RHIZOPHORA Mangle, <i>L.</i>	Tropical Sea Shores.
CASSIPOUREA elliptica, <i>Poir.</i>	Western Tropics.
„ Guianensis, <i>Aubl.</i>	Trinidad, S. America.

CRASSULACEÆ.

CRASSULA arborescens, *Wild.* Cape G. Hope.

BRYOPHYLLUM calycinum, *Salis.* Tropics.

ECHEVERIA sp. Mexico.

PAPAYACEÆ.

CARICA Papaya, *L.* Tropical South America.

„ sp.

PASSIFLORACEÆ.

RYANIA speciosa, *Vahl.* Trinidad, Guiana.

SMEATHMANNIA lævigata, Sierra Leone.

PASSIFLORA alata, *Ait.* W. Indies, Trinidad.

„ cærulea racemosa, South America.

„ „ Impératrice Eugénie.

„ quadrangularis, *L.* Jamaica.

„ gracilis, *Link.* Jamaica.

„ tetragona, Cape G. Hope.

„ laurifolia, *L.* Trinidad, America.

„ biflora, *Lam.* W. Indies, (Trinidad),
Venezuela.

„ suberosa, *L.* Trinidad, Jamaica.

„ fætida, *L.* Western Tropics.

„ sp.

„ hederacea, *Cav.* W. Indies (Trinidad).

„ ciliata, *Ait.* Jamaica, Bahamas.

„ serrata, *L.* Trinidad, Dominica, Mar-
tinique.

TACSONIA sanguinea, *DC.* Trinidad, Guiana.

BELVISIACEÆ.

NAPOLEONA Imperialis, *Palis.* Sierra Leone.

CACTACEÆ.

MAMILLARIA	angularis,	Tropical America.
„	polyhedra,	Mexico.
„	simplex, <i>Haw.</i>	Jamaica, Venezuela.
MELOCACTUS	communis, <i>L.</i>	Mexico, W. Indies, Central America.
ECHINOPSIS	multiplex, <i>Pf. et Ott.</i>	Brazil.
„	Eyriesii, <i>Pf. et Ott.</i>	Buenos Ayres.
CEREUS	albispinus, <i>S. Dyck.</i>	Tropical America.
„	repandus, <i>Haw.</i>	W. Indies (Trinidad).
„	gemmatus, <i>Zucc.</i>	Mexico.
„	tetragonus, <i>Haw.</i>	Tropical America.
„	serpentinus, <i>Lag.</i>	Tropical America.
„	variabilis, <i>Pf.</i>	Tropical America.
„	grandiflorus, <i>Mill.</i>	Jamaica, Trinidad.
„	triangularis, <i>Haw.</i>	Jamaica, Trinidad.
„	tortuosus, <i>Forbes.</i>	Buenos Ayres.
„	Mc Donaldeæ, <i>Hook.</i>	Honduras.
„	Peruvianus, <i>Tabern.</i>	Peru, Central America.
„	strigosus,	Mexico.
„	flagelliformis, <i>Mill.</i>	Western Tropics.
„	strictus, <i>DC.</i>	Western Tropics.
„	Curtisii, <i>Otto.</i>	Tropical America.
RHIPSALIS	pentaptera, <i>Pf.</i>	Brazil.
„	funalis, <i>Salm.</i>	W. Indies (Trinidad).
„	Cassytha, <i>Gart.</i>	Tropical America.
OPUNTIA	Tuna, <i>Mill.</i>	Tropical America.
„	Ficus-indica, <i>Mill.</i>	Jamaica.
„	coccinellifera, <i>Mill.</i>	Mexico.
„	cylindrica, <i>Juss.</i>	Mexico.

OPUNTIA vulgaris, <i>Haw.</i>	South Europe.
„ ferox, <i>Haw.</i>	Mexico.
„ nigricans, <i>Haw.</i>	Mexico.
„ stricta, <i>Haw.</i>	Brazil.
„ decumana, <i>Haw.</i>	Brazil.
PEIRESCIA aculeata, <i>Mill.</i>	Western Tropics.
„ subulata, <i>Muhl.</i>	
„ Bleo, <i>DC.</i>	New Grenada.
„ sp.	W. Indies.
PHYLLACACTUS latifrons, (?)	Tropical America.
„ phyllanthoides, (?)	Brazil.

CUCURBITACEÆ.

FUEILLIA cordifolia, <i>Swartz.</i>	Jamaica, Trinidad, Guiana.
MELOTHRIA pervaga, <i>Grise.</i>	Western Tropics.
CERATOSANTHES tuberosa, <i>Spreng.</i>	West Indies.
ANGURIA umbrosa, <i>Kunth.</i>	Trinidad, Venezuela.
„ trilobata, <i>Wild.</i>	Trinidad, Venezuela.
„ trifoliata, <i>L.</i>	West Indies (Trinidad).
„ sp.	Trinidad,
MOMORDICA Charantia, <i>L.</i>	Tropics.
„ Balsamina, <i>L.</i>	Tropics.
LUFFA acutangula, <i>Rox.</i>	Tropics.
LAGENARIA vulgaris, <i>Ser.</i>	Tropics.
CUCURBITA Melopepo, <i>L.</i>	Levant.
„ Pepo, <i>L.</i>	Levant.
„ citrullus, <i>L.</i>	S. Europe.
„ ovifera, <i>L.</i>	Astracan.
„ verrucosa, <i>L.</i>	Levant.

CUCUMIS	sativus, <i>L.</i>	Asia.
„	Anguria, <i>L.</i>	W. Indies (Trinidad).
„	Melo, <i>L.</i>	Asia.
„	moschata, <i>Duch.</i>	
„	anguinus, <i>L.</i>	E. Indies.
TRICHOSANTHES	anguina,	W. Indies, South America.
CIONANDRA	racemosa, <i>Grise.</i>	Hayti to Brazil, Trinidad.
SECHIUM	edule, <i>Swartz.</i>	Jamaica.

CELASTRINEÆ.

EUONYMOS	Japanicus variegatus, <i>Thumb.</i>	Japan.
„	„ aureo-variegatus,	
CATHA	edulis, <i>Forst.</i>	South Africa.
CELASTRUS	serratus (?)	Japan.
„	stylosus, <i>Wild.</i>	Himalaya.
ELÆODENDRON	orientale, <i>Jacq.</i>	Mauritius.
ILEX	Europea variegata,	Europe.
„	latifolia,	Japan.
„	Paraguayensis, <i>Lam.</i>	Paraguay.
„	sp.	Japan.
„	foveata,	Japan.
„	cornuta,	Japan.
„	Macoucoua, <i>Pers.</i>	Western Tropics.

RHAMNACEÆ.

ZIZYPHUS	Lotus, <i>Lam.</i>	Arabia, South Europe.
„	rugosus, <i>Lam.</i>	India.
RHAMNUS	utilis, <i>Decsne</i>	China, Japan.
COLUBRINA	Asiatica, <i>Brong.</i>	India, Ceylon.
„	reclinata, <i>Brong.</i>	W. Indies (Trinidad).

UMBELLIFERÆ.

- HYDROCOTYLE umbellata *L.* W. Indies (Trinidad).
 SPINANTHE paniculata, *Jacq.* W. Indies (Trinidad).
 ERYNGIUM foetidum, *L.* W. Indies (Trinidad).
 PETROSELINUM sativum, *Hoffm.* Europe.
 HELOSCIADUM leptophyllum, *DC.* W. Indies (Trinidad).
 DAUCUS Carota, *L.* Europe.
 ARACACHA esculenta, *DC.* W. Indies.
 CORIANDRUM sativum, *L.* Europe.
 ANETHUM Fœniculum, *L.* Britain.

ARALIACEÆ.

- PANAX Morototoni, *Aubl.* Trinidad, Guiana, Brazil.
 „ cochleatum, *DC.* Java, Amboina.
 SCIADOPHYLLUM capitatum, *Grise.* W. Indies (Trinidad),
 Venezuela.
 TUPIDANTHUS calyptratus, *Hook f.* Khasia.
 ARALIA Duncanii, Mauritius.

CORNACEÆ.

- AUCUBA Japonica, *Thumb.* Japan.
 „ „ variegata, Japan.

RUBIACEÆ.

- MUSSÆENDA frondosa, *L.* India, Ceylon, Java.
 „ tenuiflora, *Benth.* West Africa.
 „ luteola, *Delil.* West Africa.

POSOQUERIA longiflora,	Tropical America.
OXYANTHUS Natalensis, <i>H.K.</i>	Natal.
GENIPA Caruto, <i>Kunth.</i>	Trinidad, St. Vincent.
„ Americana, <i>L.</i>	W. Indies (Trinidad), Guiana.
GARDENIA florida, <i>L.</i>	China, Japan.
„ lucida, <i>Rox.</i>	India.
„ macrocarpa, <i>Cav.</i>	India.
„ Thunbergii, <i>L.f.</i>	Cape G. Hope.
„ radicans, <i>Thunb.</i>	China.
„ Fortunei, <i>Lindl.</i>	China.
„ Plantii, <i>Lindl.</i>	China.
„ Stanleyana, <i>Hook.</i>	Sierra Leone.
RHODOSTOMA gardenioides, <i>Schir.</i>	
RANDIA longiflora, <i>Lam.</i>	India.
„ „ minor.	W. Indies (Trinidad).
„ aculeata, <i>L.</i>	W. Indies (Trinidad).
„ Mussænda, <i>DC.</i>	Western Tropics.
„ armata, <i>DC.</i>	Trinidad, St. Lucia, New Grenada.
COCCOCYPSELUM repens, <i>Swartz.</i>	Trinidad, Guiana. ¹
„ mumularifolia, <i>Chamb.</i>	Trinidad, Guiana.
HIGGINSIA regalis,	New Grenada.
„ porphyrophylla,	Brazil.
„ refulgens,	Brazil.
COUTAREA speciosa, <i>Aubl.</i>	Western Tropics.
HYMENODICTYON thyrsiflorum, <i>Wall.</i>	India.
NAUCLEA undulata, <i>Rox.</i>	Moluccas.
MANETTIA coccinea,	Western Tropics. ¹
CHIMARRHIS cymosa, <i>Jacq.</i>	Trinidad, Jamaica.

PORTLANDIA grandiflora, <i>L.</i>	Jamaica.
„ coccinea, <i>Swartz.</i>	Jamaica.
RONDELETIA speciosa, <i>Lodd.</i>	Jamaica, Hayti.
„ „ minor.	
PENTAS carnea, <i>Benth.</i>	Brazil.
„ rosea,	Brazil.
GONZALEA spicata, <i>DC.</i>	Western Tropics.
„ Potesia, <i>Grise.</i>	Trinidad, Jamaica.
ISERTIA parviflora, <i>Vahl.</i>	Trinidad, Guiana.
SABICEA hirsuta, <i>Willd.</i>	W. Indies (Trinidad), Guiana.
HAMELIA patens, <i>Jacq.</i>	Western Tropics.
„ lutea, <i>Rohr.</i>	Western Tropics.
„ latifolia, <i>Rochb.</i>	Western Tropics.
VANGUERIA edulis, <i>Vahl.</i>	Madagascar..
„ spinosa, <i>Roxb.</i>	Bengal.
MORINDA Royoc, <i>L.</i>	Jamaica, Trinidad.
„ citrifolia, <i>L.</i>	India.
CHIOCOCCA racemosa, <i>Jacq.</i>	Western Tropics.
„ pavifolia, <i>Wulfsch.</i>	Western Tropics.
MALANEA macrophylla, <i>Benth.</i>	Trinidad, St. Vincent.
IXORA coccinea, <i>L.</i>	India.
„ „ superba,	
„ Bandhuca, <i>Roxb.</i>	Central & West India.
„ rosea, <i>Wall.</i>	Khasia Hills.
„ acuminata, <i>Rox.</i>	India, Ceylon.
„ longiflora, <i>Rich.</i>	Madagascar.
„ Javanica, <i>DC.</i>	Java.
„ salicifolia, <i>DC.</i>	Java, Borneo.
„ crocata, <i>Lindl.</i>	China.

IXORA	liniflora,	India.
„	alba, <i>Roxb.</i>	India.
„	affinis	India.
„	Amboynensis, <i>DC.</i>	Amboyna.
„	Griffithii,	Singapore.
„	Lobbii,	Java, Borneo.
„	undulata, <i>Rox.</i>	Bengal.
„	lanceolaria,	Java, Borneo.
PAVETTA	Borbonica, <i>L.</i>	Bourbon.
„	angostifolia, <i>Thwaites.</i>	Ceylon.
„	Caffra, <i>Thunb.</i>	South Africa.
SIDERODENDRON	triflorum, <i>Vahl.</i>	W. Indies (Trinidad).
FARAMEA	vaginata, <i>Grise.</i>	W. Indies (Trinidad), Guiana.
COFFEÆ	Arabica, <i>L.</i>	Mountains of Arabia.
„	„ Moka,	
„	Bengalensis, <i>Rox.</i>	India.
„	laurina, <i>Leroy.</i>	Africa.
RUDGEA	Hostmaniana, <i>Benth.</i>	Trinidad, Guiana.
PSYCHOTRIA	brachiata, <i>Swartz.</i>	West Indies.
„	arcuata, <i>Benth.</i>	Trinidad, Guiana.
„	cornigera, <i>Benth.</i>	Trinidad, Guiana.
PALICOUREA	Mexicana, <i>Benth.</i>	Western Tropics.
„	crocea, <i>DC.</i>	Western Tropics.
„	triphylla, <i>DC.</i>	Western Tropics.
CEPHÆLIS	Ipecacuanha, <i>L.</i>	Brazil.
„	tomentosa, <i>Swartz.</i>	Western Tropics.
„	Swartzii, <i>DC.</i>	Western Tropics.
RICHARDSONIA	scabra, <i>L.</i>	Western Tropics.
DIODIA	sarmentosa, <i>Swartz.</i>	Trinidad, Guiana, Brazil.

SPERMACOCE tenuior, <i>Lamb.</i>	Trinidad, Guiana.
BORERA lævis, <i>Grise.</i>	W. Indies (Trinidad).
„ podocephala, <i>DC.</i>	Western Tropics.
„ Perotetii, <i>Benth.</i>	Western Tropics.
„ parviflora, <i>Benth.</i>	Western Tropics.
SERISSA fætida, <i>Comm.</i>	Japan.
AMAIUUA Guianensis, <i>Seeman.</i>	Trinidad, Panama, Brazil.

CAPRIFOLIACEÆ.

LONICERA Japonica, <i>Desv.</i>	Japan.
VIBURNUM tinus, <i>L.</i>	South Europe.
„ „ lucidum,	
„ „ variegatum,	
SAMBUCUS nigra, <i>L.</i>	Europe.

DIPSACACEÆ.

SCABIOSA atropurpurea, <i>L.</i>	South Europe.
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COMPOSITÆ.

OLIGANTHES condensata, <i>Schultz.</i>	Trinidad, Guiana.
VERNONIA divaricata, <i>Swartz.</i>	Western Tropics.
„ arborescens, <i>Swartz.</i>	Cuba, Nicaragua.
CENTRATHERUM muticum, <i>Less.</i>	Trinidad, Venezuela.
MONANTHEMUM Crugerii,	
	<i>Gries.</i> Trinidad.
ELEPHANTOPUS scaber, <i>L.</i>	Louisiana to Brazil.
„ mollis, <i>L.</i>	Western Tropics.
DISTREPUS spicatus, <i>Cass.</i>	Western Tropics.
ROLANDRA argentea, <i>Rott.</i>	W. Indies (Trinidad)
	Brazil.
HEBECLINIUM macrophyllum, <i>DC.</i>	Brazil.
„ ianthium, <i>Hook.</i>	Brazil.

BRICKELIA diffusa, <i>A. Gray.</i>	Western Tropics.
PECTIS elongata, <i>H. B. K.</i>	Western Tropics.
AGERATUM conyzoides, <i>L.</i>	Tropics.
„ muticum, <i>Griesb.</i>	Cuba to Peru.
„ Mexicanum, <i>Wild.</i>	Mexico.
CRITONIA Dalea, <i>DC.</i>	Western Tropics.
„ parviflora, <i>DC.</i>	Western Tropics.
CALEA solidaginea, <i>Kunth.</i>	Mexico (W. Indies) Trinidad.
ECLIPTA erecta, <i>L.</i>	W. Indies (Trinidad).
EUPATORIUM lævigatum, <i>Lamb.</i>	Trinidad, Panama.
„ odoratum, <i>L.</i>	Trinidad, Guiana.
„ conyzoides, <i>Vahl.</i>	Cuba, Trinidad.]
„ paniculatum, <i>Schreb.</i>	W. Indies (Trinidad)
MIKANIA scaber, <i>DC.</i>	Trinidad, Guiana.
„ glechomæfolia, <i>Schreb.</i>	Trinidad, Guiana.
„ scandens, <i>Wild.</i>	Trinidad, Guiana.
„ umbellifera, <i>Hook.</i>	Guiana, Trinidad.
„ Orinocensis, <i>Kunth.</i>	Cuba, Trinidad, Brazil.
CLIBADIUM asperum, <i>DC.</i>	Mexico to Brazil (Trinidad)
DAHLIA variabilis, <i>Desf.</i>	Mexico.
PARTHENIUM hysterophorus, <i>L.</i>	Cuba to Patagonia.]
AMBROSIA artemisifolia, <i>L.</i>	Canada to Brazil.
ZINNIA elegans, <i>Jacq.</i>	Mexico, New Grenada, St. Vincent.
WEDELIA Caracasana, <i>DC.</i>	Trinidad, Venezuela.
COREOPSIS hirta, <i>Hook.</i>	California, Mexico.
„ Drummondii, <i>T. & Gr.</i>	California, Mexico.
BIDENS bipinnatus, <i>L.</i>	Tropics.
„ leucantha, <i>Wild.</i>	Western Tropics.

- COSMOS caudatus, *Kunth.* Western Tropics.
 „ sulphurea, *Cav.* Trinidad, Venezuela.
 SYNEDRELLA nodiflora, *Gries.* Western Tropics.
 CHRYSANTHELLUM procumbens, *Rich.* Tropics.
 CLEMENOCOMA montana, *Cass.* Peru.
 POROPHYLLUM ruderale, *Cass.* Mexico to Buenos Ayres.
 GAILLARDIA picta, *Don.* California.
 CHRYSANTHEMUM Indicum, *DC.* China.
 GNAPHALIUM lanuginosum, *H.B.* Brazil.
 „ Americanum, *Mill.* W. Indies (Trinidad).
 NEUROLÆNA lobata, *R. Br.* Cuba to Ecuador (Trinidad)
 ERECHTITES heracleifolia, *Raf.* U. States to Buenos Ayres.
 LACTUCA sativa, *L.* Europe.
 SONCHUS oleraceus, *L.* All Countries.

GOODIACEÆ.

- SCÆVOLA Lobelia, *L.* Seashores of Tropical Asia,
 Madagascar, and Pacific Islands.

LOBELIACEÆ.

- LOBELIA cardinalis, *L.* Virginia.
 “ Trinitensis, *Gries.* Trinidad.
 CENTROPOGON Surinamensis, *Presl.* Trinidad, Guiana.]
 „ lucyanum, Brazil.

PONGATIEÆ.

- PONGATIUM Indicum, *Lam.* Tropics.

ERICACEÆ.

- CALLUNA vulgaris, *Salis.* Europe.
 ARBUTUS Unedo, *Tourne.* South Europe.
 AZALIA Indica, *L.* India, China.

RHODODENDRON Japonicum, Japan.

OLEACEÆ.

OLEA Europea, *L.* Levant, Persia.

OSMANTHUS ilicifolius, *Thunb.* Japan.

„ „ vareigatus, Japan.

NORONHIA emarginata, *Poir.* Madagascar.

LIGUSTRUM Japonicum, *Thunb.* Japan.

JASMINEÆ.

JASMINUM Sambac, *L.* India, Arabia.

„ „ flore plene,

„ undulatum, *Wall.* India.

„ gracile, *Andre.* Asia.

„ ligustrifolium, *Wall.* Malabar.

„ officinale, *L.* Pacific Islands.

„ fruticans, *L.* South Europe.

NYCTANTHES Arbor-tristis, *Juss.* India, Ceylon.

FONTANESIA Fortunei, China.

PLANTAGINEÆ.

PLANTAGO lanceolata, *L.* Europe.

PLUMBAGINACEÆ.

PLUMBAGO Capensis, *Thunb.* Cape G. Hope.

„ rosea, *L.* Moluccas.

„ scandens, *L.* Western Tropics.

SALVADORACEÆ.

SALVADOREA Persica, *L.* Persia, Palestine.

MONETIA barlerioides, *L'Her.* India.

MYRSINEÆ.

MYRSINE lœta, *L.* Western Tropics.

ARDISIA	<i>decipiens, DC.</i>	Trinidad, Panama.
,,	<i>crenulata, Vent.</i>	Mexico.
,,	<i>acuminata, Wild.</i>	W. Indies (Trinidad) Venezuela.
,,	<i>Wallichii,</i>	India.
,,	<i>sp.</i>	ex Calcutta.
JACQUINIA	<i>ruscifolia, Jacq.</i>	Tropical America.
,,	<i>armillaris, L.</i>	W. Indies (Trinidad).
,,	<i>sp.</i>	Mexico.
THEOPHRASTA	<i>Jussice, Lindl.</i>	Hispania.
,,	<i>regalis,</i>	Brazil.
,,	<i>latifolia,</i>	Brazil.
CLAVIJA	<i>ornata, Don.</i>	Trinidad, Guiana.
,,	<i>undulata,</i>	Brazil.

EBENACEÆ.

DIOSPYROS	<i>discolor, Wild.</i>	Philippines.
,,	<i>tetrasperma, Swartz.</i>	Trinidad, Panama.
,,	<i>sp.</i>	Trinidad.
,,	<i>ebenum, Retz.</i>	Sumatra, Moluccas.
STYRAX	<i>sp.</i>	Trinidad.

SAPOTACEÆ.

CHRY SOPHYLLUM	<i>albidum,</i>	South America.
,,	<i>Caimito, Wild.</i>	W. Indies (Trinidad).
,,	<i>glabrum, Jacq.</i>	W. Indies (Trinidad) Guiana.
,,	<i>oliviforme L.</i>	W. Indies.
POUTERIA	<i>Guianensis, Aubl.</i>	Trinidad, Guiana.
LUCUMA	<i>obovata</i>	Tropical South America.

LUCUMA multiflora, <i>DC.</i>	Jamaica, Trinidad.
„ <i>deliciosa</i> ,	Guiana, Trinidad
SAPOTA Achras, <i>Mill.</i>	Western Tropics.
SIDEROXYLON Mastichodendron, <i>Jacq.</i>	Trinidad, Tropical America.
BASSIA longifolia, <i>L.</i>	India, Ceylon.
MIMUSOPS globosa, <i>Grise.</i>	Trinidad, Venezuela, Guiana.
„ <i>sp.</i>	Trinidad.
„ <i>Elengi</i> , <i>L.</i>	India.
„ <i>cyanocarpa</i> , <i>L.</i>	India.

LOGANACEÆ.

SPIGELIA Anthelmintica, <i>L.</i>	W. Indies.
STRYCHNOS potatorum, <i>Rox.</i>	India.
„ <i>Nux-vomica</i> , <i>L.</i>	India.
FAGRÆA obovata, <i>Wall.</i>	India, Ceylon.
„ <i>Zeylanica</i> , <i>Thunb.</i>	Ceylon.

GENTIANACEÆ.

SCHULTZIA stenophylla, <i>Mart.</i>	Tropical America, Trinidad.
ERYTHREA ramosissima, <i>Pers.</i>	Western Tropics.
LASIANTHUS alatus, <i>Aubl.</i>	Western Tropics.
TACHIADENUS carinatus.	
LIMNANTHEMUM Humboltia-	
<i>num</i> , <i>Grise.</i>	Mexico to Brazil.
SLEVOGTIA occidentalis, <i>Grise.</i>	W. Indies (Trinidad).

APOCYNACEÆ.

ALLAMANDA cathartica, <i>L.</i>	Tropical America, Trinidad.
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ALLAMANDA	Schotti, <i>Pohl.</i>	Rio Janeiro.
„	violacea,	Brazil.
CARISSA	Carandas, <i>L.</i>	India, Ceylon, China.
„	Arduina, <i>Lam.</i>	Cape G. Hope.
RAUWOLFIA	canescens, <i>L.</i>	W. Indies.
„	heterophylla, <i>R. et Schultz.</i>	
THEVETIA	neriiformis, <i>Juss.</i>	W. Indies (Trinidad).
KOPSIA	fruticosa, <i>DC.</i>	Burmah, Tavoy.
TANGHINIA	venifera, <i>Poir.</i>	Madagascar.
ROUPELLIA	grata, <i>Wall.</i>	Sierra Leone.
TABERNAMONTANA	coronaria, <i>R. Br.</i>	Tropical Asia, C. G. Hope.
„	laurifolia, <i>L.</i>	Trinidad, Jamaica.
„	undulata, <i>Vahl.</i>	W. Indies (Trinidad).
„	jasminoides,	Cape G. Hope.
„	psychotrifolia, <i>Kunth.</i>	Trinidad, Venezuela.
„	capensis,	Cape G. Hope.
„	sp.	Trinidad, Venezuela.
„	citrifolia, <i>Jacq.</i>	Mexico, W. Indies (Trinidad).
DIPLADENIA	Harrisii, <i>Hook.</i>	Guiana, Venezuela, Trinidad.
„	amabile,	Brazil.
„	urophylla,	Brazil.
VINCA	rosea, <i>L.</i>	Western Tropics.
„	„ alba,	
PLUMIERIA	alba, <i>L.</i>	W. Indies.
„	rubra, <i>L.</i>	Western Tropics.
„	obtusa, <i>L.</i>	Bahamas, St. Thomas.
BEAUMONTIA	grandiflora, <i>Wall.</i>	E. Indies.

- WRIGHTIA mollissima, *Wall.* Tropical Himalayas.
 ALSTONIA scholaris, *R. Br.* India.
 NERIUM Oleander, *Lour.* Palestine, India.
 ,, ,, album,
 HUNTERIA corymbosa, *Roxb.* Penang.
 RHYNCHOSPERMUM jasminoides, Japan.
 VALLARIS dichotoma, *Wall.* Bengal.
 AGANOSMA caryophyllata, *Don.* India.
 ECHITES symphytocarpa, *Mey.* Trinidad, Guiana, Brazil.
 ,, subsagittata, *Ruiz et Pav.* Western Tropics.
 HEMYDICTYON venosum, *Lindl.* Western Tropics.
 FORSTERONIA corymbosa, *Mey.* Tropical South America.

ASCLEPIADEÆ.

- CRYPTOSTIGIA grandiflora,
 R. Br. Behar.
 CALOTROPIS gigantea, *R. Br.* India, Ceylon.
 ,, procera, *R. Rr.* India, Ceylon, N. Africa.
 ASCLEPIAS curassavica, *L.* W. Indies.
 SCHUBERTIA graveolens, *Lindl.* Brazil.
 MARSDENIA maculata, *Hook.* Trinidad, Panama, New
 Grenada.
 PERGULARIA odoratissima, *R. Br.* India, Java, Timor.
 STEPHANOTIS floribunda, *Brong.* Madagascar.
 HOYA carnosa, *R. Br.* Burmah.
 ,, ,, variegata,
 ,, longifolia, Borneo.
 ,, bella, *Hook.* China.
 ,, imperialis, *Lindl.* Borneo.

- HOYA fraterna, Sumatra.
 CENTROSTEMMA multiflora, *Decne.* Java.
 CEROPEGIA *Gardnerii*, *Thwaites.* Ceylon.
 GONOLOBUS rostratus, *R. Br.* Trinidad, Venezuela.
 „ pubescens, *Grise.* Trinidad, Jamaica.
 FISCHERIA multiflora, *Decne.* Trinidad.

POLEMONIACEÆ.

- PHLOX *Drummondii*, *Hook.* Texas.

HYDROPHYLLACEÆ.

- HYDROLEA spinosa, *L.* Mexico to Brazil (Trinidad)
 WIGANDIA Caracasana, *Hook.* Caracas.

CONVOLVULACEÆ.

- EVOLVULUS alsinoides, *L.* W. Indies (Trinidad).
 CONVOLVULUS violaceus, *Vahl.* Western Tropics.
 „ pentanthus, *Jacq.* Western Tropics.
 „ micranthus, *R. S.* Western Tropics.
 JACQUEMONTIA tamnifolia, *Grise.* Western Tropics.
 IPOMEA bona-nox, *L.* Tropics.
 „ pterodes, *Chois.* Trinidad, Panama to Brazil.
 „ dissecta, *Pursh.* Tropics.
 „ pentaphylla, *Jacq.* Tropics.
 „ glabra, *Chois.* Western Tropics.
 „ Batatas, *Lam.* Tropics.
 „ „ a & b, *Grise.*
 „ digitata, *L.* Tropics.
 „ umbellata, *Mey.* Tropical Africa & America.
 „ pes-capræ, *Swartz.* Tropics.

IPOMEA	quamoclit, <i>L.</i>	Western Tropics.
„	coccinea, <i>L.</i>	Tropics.
„	nil,	Tropics.
„	tuberosa, <i>L.</i>	Tropics.
„	arborescens,	Martinique (?).
„	murucoides,	Martinique (?).
„	alatipes, <i>Hook.</i>	Trinidad.
ARGYRIEA	splendens, <i>Swartz.</i>	India, Ceylon.
„	Colieri,	India.
PORANA	paniculata, <i>Roxb.</i>	Southern India, Ceylon.

SOLANACEÆ.

CESTRUM	foetidissimum, <i>Jacq.</i>	W. Indies (Trinidad).
SOLANUM	nodiflorum, <i>Jacq.</i>	Tropics.
„	Seafortianum, <i>Andr.</i>	W. Indies (Trinidad).
„	triste, <i>Jacq.</i>	Western Tropics.
„	Radula, <i>Fahl.</i>	Western Tropics.
„	Juripeba, <i>Rich.</i>	Western Tropics.
„	stramonifolium, <i>Jacq.</i>	Western Tropics.
„	mammosum, <i>L.</i>	Western Tropics.
„	aculeatissimum, <i>Jacq.</i>	Western Tropics.
SOLANUM	Melongena, <i>L.</i>	Tropical Asia.
CAPSICUM	frutescens, <i>L.</i>	India, Tropical America.
„	arboreum,	India.
„	annum, <i>L.</i>	South America.
SOLANDRA	grandiflora, <i>Swartz.</i>	Mexico to Brazil (Trinidad)
MARCKIA	longiflora, <i>Mrs.</i>	Trinidad.
BRUGMANSIA	arborea, <i>Wild.</i>	Tropical South America.
„	suaveolens, <i>Wild.</i>	Peru.
NICOTIANA	Tobacum, <i>L.</i>	
„	„ var. Shiraj,	Persia.

NICOTIANA *Tobacum* var. *Latakia*, Lebanon.

„ *glauca*, *L.* Buenos Ayres.

ACNISTUS *arborescens*, *Schlet.* W. Indies (Trinidad).

PETUNIA *nyctaginiflora*, *Juss.* South America.

„ *violacea*, *L.* Buenos Ayres.

PHYSALIS *minima*, *L.* Tropics.

CORDIACEÆ.

CORDIA *gerascanthus*, *Jacq.* Trinidad, Venezuela.

„ *alba*, *R. S.* Western Tropics.

„ *Sebestana*, *Jacq.* W. Indies (Trinidad),
Guiana, New Grenada.

„ *Collococca*, *L.* Western Tropics.

„ *macrophylla*, *Mill.* Jamaica, Trinidad.

„ *sulcata*, *DC.* W. Indies (Trinidad),
Guiana.

„ *speciosa*, *Wild.* W. Indies.

„ *Myxa*, *L.* South India, Ceylon.

„ *cylindrostachya*, *R. S.* California to Uruguay.

BORAGINEÆ.

TOURNEFORTIA *hirsutissima*, *L.* Western Tropics.

„ *bicolor*, *Swartz.* Western Tropics.

„ *laurifolia*, *Vent.* Western Tropics.

„ *Caribæa*, *Grise.* Trinidad, Dominica.

„ *tomentosa*, *Mill.* W. Indies (Trinidad).

HELIOTROPIUM *Indicum*, *L.* Tropics.

„ *parviflorum*, *L.* Western Tropics.

„ *Peruvianum*, *L.* Andes.

„ *inundatum*, *Swartz.* Western Tropics.

CYNOGLOSSUM pictum, <i>L.</i>	Madeira.
MYOSOTIS Azorica,	Azores.

LABIATEÆ.

OCIMUM Basilicum, <i>L.</i>	Tropical Asia and Africa.
COLEUS Amboinicus, <i>Lour.</i>	Amboyna.
„ Verschafelti,	Java.
„ Blumei, <i>Benth.</i>	Java.
„ „ nigricans.	
MARSYPIANTHES hyptoides, <i>Mart.</i>	W. Indies (Trinidad).
HYPTIS brevipes, <i>Poit.</i>	Tropics.
„ spicata, <i>Poit.</i>	Western Tropics.
„ capitata, <i>Jacq.</i>	Mexico to Brazil.
MENTHA veridis, <i>L.</i>	Europe.
„ „ crispa,	
„ aquatica,	Britain.
SALVIA splendens, <i>Sell.</i>	Rio Janeiro.
„ coccinea, <i>L.</i>	Florida to Brazil.
„ serotina, <i>L.</i>	W. Indies (Trinidad).
„ pratensis.	
„ lamiifolia, <i>Jacq.</i>	W. Indies (Trinidad).
ROSMARINUS officinalis, <i>L.</i>	South Europe.
THYMUS vulgaris, <i>L.</i>	South Europe.
LEONURUS Sibericus, <i>L.</i>	Tropical, and most temperate Countries.
LEONITIS nepetæfolia, <i>R. Br.</i>	Tropics.
SCUTELLARIA purpurascens, <i>Swartz.</i>	W. Indies (Trinidad).
„ Ventenatii,	Sta. Martha.
„ Costaricensis,	Costa Rica.
„ Mexicana,	Mexico.

TEUCRIUM Cubense, *L. var.* Trinidad.

POGOSTEMON Patchouli, *Pell.* India.

VERBENACEÆ.

VERBENA radicans, *var.* Chili.

„ Tweediana, Chili.

„ Venosa, Buenos Ayres.

PRIVA echinata, *Juss.* Brazil.

STACHYTARPHA Jamaicensis, *Vahl.* W. Indies (Trinidad).

„ strigosa, *Vahl.* Trinidad, Antigua.

„ mutabilis, *Vahl.* W. Indies (Trinidad),
Guiana.

LIPPIA betulifolia, *Kunth.* Trinidad, Tropical South
America.

„ gemminata, *Kunth.* Western Tropics.

LANTANA camara, *L.* W. Indies (Trinidad), Tro-
pical South America.

„ reticulata, *Pers.* Cuba, Jamaica.

„ Sellowiana, Monte Video.

„ involucrata, *L.* Trinidad, Jamaica, Pa-
nama.

CITHAREXYLON quadrangulare, *Jacq.* Western Tropics.

„ cinereum, *L.* Jamaica, Cuba, Trinidad.

DURANTA Plumieri, *Jacq.* W. Indies, Tropical South
America.

„ stenostachys, }
„ turbinata, } *Hort. Bot.* Martinique.

„ Ellisia, *Jacq.*

PETREA volubile, *Jacq.* Venezuela, Trinidad.

„ erecta, W. Indies, Venezuela.

PETREA arborea, <i>Kunth</i> .	Venezuela, Mexico.
CONGEA tomentosa, <i>Roxb.</i>	India, West Africa.
TECTONA grandis, <i>L.</i>	India.
CLERODENDRON hastatum, <i>Wall.</i>	Silhet.
„ fragrans, <i>Vent.</i>	China.
„ Kempferii,	South America.
„ tomentosum,	India.
„ splendens, <i>Don.</i>	China.
„ Thompsonæ, <i>Hook.</i>	West Africa.
„ volubile,	Guinea.
AMASONIA erecta, <i>L.</i>	Trinidad, Venezuela.
GMELINA arborea, <i>Roxb.</i>	India.
VITEX capitata, <i>Vahl.</i>	Trinidad, Guiana, Brazil.
HOMLSKIOLDIA sanguinea, <i>Retz.</i>	Himalaya, Silhet.

ACANTHACEÆ.

THUNBERGIA alata, <i>Bojer.</i>	} Mosambique, India, Cey-
„ „ var. alba,	
„ Vogeliana,	India.
„ Hawtaynii, <i>Wall.</i>	India, Ceylon.
„ fragrans, <i>Roxb.</i>	India.
„ Harrisii,	Madagascar.
HEXACENTRIS Mysorensis,	Mysore.
„ lutea,	Moulmeine.
DIPTERACANTHUS Herbstii, <i>Hook.</i>	Brazil.
RUELLIA geminiiflora, <i>Kunth.</i>	W. Indies, Venezuela.
HENFREYA scandens, <i>Lindl.</i>	Sierra Leone.
ASYSTASIA Gangetica, <i>T. Ander.</i>	Tropical Asia & Africa.
STEPHANOPHYSUM Baikei,	

- BARLERIA *cristata*, *L.* Ceylon, Java, China.
 „ *Prionitis*, *L.* India, Ceylon, Abyssinia.
 „ *Arnottiana*, *N. ab. E.* Ceylon.
 „ *Gibsoni*, *Dalz.* India.
 „ *lupulina*. India.
 CROSSANDRA *infundibuliformis*,
 N. ab. E. South India, Ceylon.
 GEISSOMERIA *aurantiaca*, *Lindl.* Brazil.
 ALPHELANDRA *tetragona*, *N. ab. E.* Equatorial America,
 Trinidad.
 „ *cristata*, *H. K.* W. Indies.
 „ *pulcherrima*, Brazil. •
 „ *Leopoldii*, Brazil.
 PACHYSTACHYS *coccinea*, *Nees.* Trinidad, Guiana to Brazil.
 GRAPTOPHYLLUM *hortensis*, *Nees.* Islands of Pacific.
 „ „ *vars*, *versicolor*,
 „ „ *bicolor*,
 CYRTANTHERA *magnifica*, *Nees.* Brazil.
 „ *catafræfolia*, Brazil.
 „ *Pohlana*, Brazil.
 „ *velutina*, Brazil.
 „ *sp.* Trinidad (Aripo).
 JUSTICIA *Adhatoda*, *L.* India, Ceylon.
 „ *decussata*, *Rox.* Burmah.
 „ *secunda*, *Vahl.* W. Indies, S. America.
 „ *androsæmifolia*, *T. Anders.* W. Indies (Trinidad).
 ERANTHEMUM *nervosum*, *R. Br.* India.
 „ *leuconervum*, Brazil.
 „ *rubronervum*, Cordilleras.
 BELOPEROME *nemorosa*, *Nees.* Jamaica, Trinidad.

DICLIPTA *Martinicensis*, *Juss.* Martinique, Trinidad.

BRAVAISIA *floribunda*, *DC.* Western Tropics.

PEDALIACEÆ.

MARTYNIA *diandra*, *Glox.* Cuba to Mexico.

SESAMUM *orientale*, *L.* Tropical Asia & N. Africa.

BIGNONIACEÆ.

BIGNONIA *æquinoctialis*, *L.* Western Tropics.

„ *Martinii*, *DC.* Trinidad.

„ *unguis*, *L.* W. Indies (Trinidad).

„ *rufinervis*, *Hoff.* St. Vincent, Trinidad, Venezuela.

„ *venusta*, *Ker.* Minas Geraes.

MILLINGTONIA *hortensis*, *L.* Burmah.

CALOSANTHES *Indica*, *Blume.* India, Ceylon, Ohina.

MACFADYENA *uncinata*, *A. DC.* Guiana, Trinidad.

ARABIDÆA *Sieberii*, *DC.* Trinidad.

PETHECOCTENIUM *Aubletii*, *Splitz.* Mexico to Brazil,
(Trinidad).

SPATHODEA *stipulata*, *Wall.* Burmah.

„ *Indica*, India.

STEREOSPERMUM *chelonoides*, *A. DC.* India, Ceylon.

PHYLLARTHON *Comorense*, *Boj.* Comoro Islands.

COLEA *cauliflora*, *A. DC.* Madagascar.

CRESENTIA *Cujeti*, *L.* Mexico to Brazil (Trinidad)

„ *alata*, *H. B. K.* Mexico.

„ *Curcubitina*, *L.* W. Indies, Venezuela.

„ *macrophylla*, Venezuela.

PARMENTIERA *cerifera*, *DC.* Panama.

KIGELIA pinnata, *A. DC.* Mozambique.

GESNERIACEÆ.

COLUMNEA longiflora,

„ scandens, *L.* Dominica, Trinidad, Guiana.

„ hirsuta, *Swartz.* Trinidad.

BESLERIA lutea, *L.* Western Tropics.

EPISCEA melittifolia, *Mart.* W. Indies (Trinidad).

GESNERIA corymbosa, *Swartz.* Jamaica.

ISOLOMA hirsuta, *Reg.* Trinidad, Venezuela.

ACHIMENES longiflora, *Decsne.* Guatemala.

„ grandiflora, *Decsne.* Mexico.

„ coccinea, *Pers.* Jamaica.

„ vars.—Amhoise Verschapl,

„ „ Beaumanniana,

„ „ Carl Woolfarth,

„ „ Dazzle,

„ „ Estella,

„ „ Grandis,

„ „ Georgeana Discolor,

„ „ Margarete,

„ „ rosea magnifica.

GLOXINIA Passinghami, Rio Janeiro.

„ nebra, Rio Janeiro.

„ speciosa, Rio Janeiro.

„ vars.—Acton Green,

„ „ Alico Mande,

„ „ A. de Kimbler,

„ „ Cerise violet,

„ „ Emerald,

GLOXINIA vars.—Empératrice Eugénie,

- | | | |
|---|---|---------------------|
| „ | „ | Espérance, |
| „ | „ | Indienne, |
| „ | „ | Leander, |
| „ | „ | Lord Lyon, |
| „ | „ | Mdme. de Smet, |
| „ | „ | Mon. Borsig, |
| „ | „ | Princess Mary, |
| „ | „ | Rose et cochinille. |

RYTIDOPHYLLUM grande, *Mart.* Jamaica, Trinidad.

ÆSCHYNANTHUS grandiflorus, *G. Don.* Bengal.

- | | | |
|---|-------------------------|---------|
| „ | speciosus, <i>Hook.</i> | Java. |
| „ | pulcher, <i>Decsne.</i> | Java. |
| „ | Lobbianus, <i>Hook.</i> | Java. |
| „ | Albicans, | Borneo. |

SCROPHULARIÆ.

BROWALLIA demissa, *L.* W. Indies (Trinidad), Tropical South America.

BRUNSFELSIA Hopeana, *Benth.* Trinidad, Brazil.

- | | | |
|---|---------------------------|-----------------------|
| „ | eximia, <i>Scheid.</i> | Brazil. |
| „ | acuminata, | Rio Janeiro. |
| „ | calycina major, | Brazil. |
| „ | confertiflora, | |
| „ | Americana, <i>Swartz.</i> | W. Indies (Trinidad). |

ANGELONIA salicarifolia, *Bonpl.* Trinidad, Tropical South America.

ANTERRHINUM majus, *L.* Europe.

MAURANDIA Barclayana, *Lindl.* Mexico.

PENSTEMON congestus, Mexico.

LOPHOSPERMUM scandens, *Don.* Mexico.

MYOPORINEÆ.

- BONTIA daphnoides, *L.* Barbadoes, Trinidad.
 AVICENNIA nitida, *Jacq.* Western Tropics and Tropical Africa.

UTRICULARIÆ.

- UTRICULARIA montana, *Jacq.* Western Tropics.
 „ angustifolia, *Benj.* Trinidad, Guiana.
 „ myriocysta, *St. Hil.* Trinidad, Guiana.

POLYGALACEÆ.

- POLYGONUM acre, *Kunth.*
 „ acuminatum, *Kunth.* Western Tropics.
 COCCOLOBA uvifera, *Jacq.* Western Tropics.
 „ latifolia, *Lam.* Trinidad, Guiana.
 „ crescentiifolia, *Cham.* Trinidad, Brazil.
 „ Guianensis, *Meisn.* Trinidad, Guiana.
 „ punctata, *L.* W. Indies (Trinidad), Venezuela.

- ANTIGONON leptopus, *Hook. et Arn.* Mexico.

NYCTAGINEÆ.

- BOERHAAVIA erecta, *L.* Western Tropics.
 „ paniculata, *Rich.* Western Tropics.
 MIRABILIS Jalappa, *L.* Western Tropics.
 BUGAINVILLEA glabra, *Chois.* Rio Janeiro, Minas Geraes.
 „ spectabilis, *Wild.* Brazil.
 „ warsewiczii,
 PISONIA alba, *Spank.* Timor.
 „ inermis, *Jacq.* Western Tropics.
 „ aculeata, *L.* Western Tropics, & Madagascar.

CHENOPODIACEÆ.

CHENOPODIUM ambrosioides, *L.* Western Tropics.

AMARANTACEÆ.

CELOSIA cristata, *My.* India, Java.AMARANTHUS oleraceus, *Rox.* Tropics (cultivated).

,, , tricolor, Japan.

,, sanguinens, *L.* Tropics.

,, caudatus, India.

PHYTOLACCACEÆ.

PETIVERIA alliaceæ, *L.* Western Tropics.RIVINA lævis, *L.* Western Tropics.PHYTOLACCA icosandra, *L.* Western Tropics.

LAURINEÆ.

CINNAMOMUM Zeylanicum, *Breyn.* Ceylon.,, nitidum, *N. ab. E.* Sumatra.

,, sp.

CAMPHORA officinarum, *Bauh.* Japan, China.PERSEA gratissima, *N. ab. E.* Tropical America.AYEDENDRON citrifolium, *Nees.* Trinidad, Brazil.NECTANDRA mollis, *Nees.* Western Tropics.,, sanguinea, *Rottb.* Western Tropics.LAURUS nobilis, *L.* Asia Minor, shores of Mediterranean.,, aggregata, *Sims.* China.

SANTALACEÆ.

SANTALUM album, *L.* Malabar, Islands of Malayan Archipelago.

THYMELEÆ.

DAPHNOPSIS tinifolia, *Grise.* Jamaica.LAGETTA linearis, *Lam.* Jamaica.

,, funifera, Brazil.

HERNANDIEÆ.

HERNANDIA sonora, *L.* E. Indies, Pacific Islands.

PROTEACEÆ.

GREVILLEA robusta, *Cunn.* Moreton Bay.

RHOPALA Skinnerii, Guatemala.

,, De Tonghii, Guatemala.

,, crenata,

,, montana, *Aubl.* Panama to Brazil, Trinidad.

HAKEA lissospermum, Australia.

,, salicifolia, Australia.

,, acicularis, Australia.

ELEAGNACEÆ.

ELEAGNUS reflexus, China, Japan.

,, ,, variegatus, China, Japan.

MYRISTICÆ.

MYRISTICA fatua, *W.* Surinam.,, fragrans, *Houtt.* Moluccan Archipelago.,, Surinamensis, *Roland.* Trinidad, Guiana, Brazil.

,, sp. Trinidad.

ARISTOLOCHICEÆ.

ARISTOLOCHIA grandiflora, *Swartz.* Jamaica, Trinidad.,, odoratissima, *L.* Jamaica, Trinidad, Venezuela.

ARISTOLOCHIA barbata, *Jacq.* Trinidad, Venezuela.

„ triloba, *L.* Western Tropics.

NEPENTHACEÆ.

NEPENTHES Rafflesiana, *Jack.* Singapore, Sumatra.

„ gracilis major, Singapore, Sumatra.

„ lævis, Singapore, Sumatra.

„ ampullacea, Singapore, Sumatra.

BEGONIACEÆ.

BEGONIA humilis, *Dryand.* Trinidad.

„ ulmifolia, *Wild.* Trinidad, Venezuela.

„ glandulifera, *Grise.* Trinidad.

„ scandens, *Swartz.* Dominica, Trinidad, Guiana to Brazil.

„ fagifolia, *Fish.* Brazil.

„ Malabarica, *Dryand.* India.

„ Mærhingii, India.

„ nitida, *Dryand.* Jamaica.

„ Ingramii, *Moore.* Peru.

„ Diswilliana Peru.

„ fuschoides, *Hook.* New Grenada.

„ acrifolia, *Kunth.* Mexico.

„ Natalensis, Natal.

„ manicata, *Brong.* Brazil.

„ heracleifolia, *S. & C.* Mexico.

„ Rex, *J. Pz.* Assam.

„ „ Sambo,

„ „ Princess Marie,

„ riciniifolia, Mexico.

„ hydrocotylifolia, *Hook.* Tropical South America.

„ nelumbæfolia, Brazil.

BEGONIA *velutina*,

- „ *crassicaulis*, *Lindl.* Guatemala.
 „ *macrophylla*, *Wild.* Jamaica.
 „ *muricata*, *Scheidw.* Brazil.
 „ *longipes*, *Hook.* Mexico.
 „ *sp.* Cuba.
 „ *dichotoma* *Wild.* Caracas.
 „ *argyrostigma*, *Fisch.* Brazil.
 „ *undulata*, *Schott.* Mexico to Brazil.
 „ *sp.* Mexico.

Beautiful hybrids raised in the Botanic Garden,
Trinidad.

- „ *hybrida*, *B. velutina*, } *a.* Attorney-General.
 B. riciniifolia, }
 „ „ *B. Malabarica*, } *a.* Zuleika.
 B. acerifolia, }
 „ „ „ *b.* Mrs. C. W. Warner.
 „ „ *B. Mærinhgii*, } *a.*
 B. argyrostigma, }
 „ „ *hybridization uncertain*, *a.*
 „ „ „ „ *b.*
 „ „ „ „ *c.*
 „ „ „ „ *d.*

EUPHORBIACEÆ.

HEIRONYMA *alchornoides*, *Allem.* Jamaica, Trinidad.

CICCA *disticha*, *L.* Cultivated in Tropical Gardens.

PHYLLANTHUS *Conami*, *Swartz.* Western Tropics.

„ *Niruri*, *L.* Tropics.

- JATROPHA *gossypifolium*, *L.* W. Indies (Trinidad).
 „ *hasta*, *Jacq.* Cuba, Trinidad.
 „ *Curcas*, *L.* Tropics.
 „ *podagrica*, *Hook.* New Grenada.
 „ *panduræformis*, *Wild.* Cuba.
 „ *multifida*, *Wild.* Tropical South America.
 JANIPA *Mainhot*, *Kuntz.* Tropics.
 „ *utilissima*, *Pohl.* Tropics.
 ALEURITES *triloba*, *Forst.* Moluccas, Timor.
 RICINUS *communis*, *L.* E. Indies.
 CROTON *eleuteria*, *Swartz.* W. Indies (Trinidad).
 „ *urticifolius*, *Lam.* W. Indies (Trinidad).
 „ *hirtus*, *L'Her.* W. Indies (Trinidad).
 „ *gossypifolium*, *Vahl.* W. Indies (Trinidad).
 „ *tiglium*, *L.* India, China.
 „ *discolor*, India.
 CODIÆUM *pictum*, *Hook.* pe.
 „ *variegatum*, *Blume.*
 „ „ *var. longifolium*,
 „ „ *„ elegans*,
 „ „ *„ medium*,
 „ „ *„ premorsum*,
 } Philippine Islands.
 TRIGONOSTEMON *nemoralis*, *Thwaites*, Ceylon.
 CLELEBOGYNE *ilicifolia*, *J. Sm.* Australia.
 MABEA *occidentalis*, *Benth.* W. Indies (Trinidad).
 ACALYPHA *macrostachya*, *Jacq.* Trinidad, Caracas.
 TRAGIA *volubilis*, *Lindl.* Western Tropics.
 SAPIUM *aucuparium*, *Jacq.* Western Tropics.
 HIPPOMANE *Mancinella*, *L.* Western Tropics.
 „ *spinosa*,

HURA crepitans, <i>L.</i>	Western Tropics.
OMPHALEA triandra, <i>L.</i>	Trinidad, Jamaica, Guiana
DALECHAMPIA scandens, <i>L.</i>	Western Tropics.
„ Roeziana,	New Grenada.
EUPHORBIA hypericifolia, <i>L.</i>	Western Tropics.
„ splendens, <i>Boj.</i>	Bourbon, Madagascar.
„ Canariensis, <i>L.</i>	Canary Islands, C.G. Hope.
„ lophagona,	South Africa.
„ tetragona,	South Africa.
ROTTLERA tinctora, <i>Roxb.</i>	India.
SAUROPUS Gardnerii,	India.
STILLINGIA sebifera, <i>A. Juss.</i>	China.
BUXUS sempervirens, <i>L.</i>	Britain, South Europe, Persia.
PUTRANJIVA Roxburghii, <i>Wall.</i>	India.

SALICINEÆ.

SALIX Babingtoniana, <i>L.</i>	Levant.
„ Humboldtiana, <i>Wild.</i>	Mexico to Peru.

URTICACEÆ.

URERA Caracasana, <i>Gaud.</i>	Western Tropics.
„ baccifera, <i>Gaud.</i>	Western Tropics.
LAPORTEA magnifica,	India.
FLEURYA æstuans, <i>Gaud.</i>	Tropics.
PILEA micromera, <i>Liebm.</i>	Western Tropics.
„ inæqualis, <i>Wedd.</i>	W. Indies (Trinidad).
URTICA sp.	Martinique.
BØHMERIA nivea, <i>Gaud.</i>	India, Ceylon, China, Malay Islands.
„ cylindrica, <i>Wild.</i>	W. Indies (Trinidad).
„ ramiflora, <i>Jacq.</i>	W. Indies (Trinidad).
PHENAX vulgaris, <i>Wedd.</i>	Martinique, Trinidad, Brazil.

MORACEÆ.

- MORUS alba, *L.* Asia Minor, Himalaya.
 „ nigra, *Wild.* Italy.
 BROUSSONETIA papyrifera, *Vent.* China, Japan.
 MACLURA zanthoxylon, *Eudl.* Western Tropics.
 FICUS nymphæfolia, *L.* Trinidad, Tropical America
 „ laurifolia, *Lam.* Jamaica, Trinidad.
 „ crassinerva, *Desf.* W. Indies (Trinidad).
 „ populnea, *Wild.* Trinidad, Antigua.
 „ carica, *L.* Asia Minor.
 „ ferruginea Brazil.
 „ pallida, *Vahl.* Trinidad.
 „ religiosa, India, Ceylon.
 „ elastica, *Roxb.* India.
 „ comosa, *Roxb.* India.
 „ indica, *L.* India, Ceylon.
 „ elastica, *Roxb.* Tropical S^{pe.} India, Assam.
 „ repens, *Wild.* Bengal, Assam.
 „ conglomerata, *Roxb.* Tropical Himalaya.
 DORSTENIA Contrajerva, *L.* Western Tropics.

ARTOCARPACEÆ.

- BROSIMUM Aubletii, *Poepp.* Western Tropics.
 „ Alicastrum, *Swartz.* Jamaica.
 CECROPIA peltata, *L.* W. Indies, Venezuela.
 ARTOCARPUS incisa, *L.* Pacific Islands.
 „ „ var.,
 „ integrifolia, *L.* India.
 „ Lakoocha, *Roxb.* India, Ceylon, Java.

CANNABINIAÆ.

- CANNABIS sativus, *L.* Central Asia, Himalaya.

CASUARINACEÆ.

CASUARINA *equisetifolia*, *Forst.* Moluccas.,, *torolosa*, *Ait.* New South Wales.,, *leptoclada*, *Miquel.* New South Wales.,, *quadrivalvis*, *Labill.* New South Wales, New Zealand.,, *sp.* West Australia.

PIPERACEÆ.

PIPEROMIA *mimularifolia*, *Kunth.* W. Indies (Trinidad).,, *exilis*, *Grise.* W. Indies (Trinidad).,, *tenella*, *Diet.* Western Tropics.,, *pellucida*, *Kunth.* Jamaica, Trinidad, Brazil.,, *repens*, *Kunth.* W. Indies (Trinidad).,, *obtusifolia*, *Miq.* Mexico to Brazil.,, *incana*, *Haw.* Brazil.,, *culabella*, *Haw.* W. Indies.,, *glusiaefolia*, Brazil.,, *arifolia*, *variegata*, New Grenada.ENKEA *smilacifolia*, *Kunth.* Panama to Brazil (Trinidad),, *Sieberi*, *Miq.* Western Tropics.SCHILLERIA *caudata*, *Kunth.* W. Indies (Trinidad).ARTANTHE *Bredermeyer*, *Miq.* W. Indies (Trinidad).,, *adunca*, *Miq.*,, *scabra*, *Miq.* Jamaica, Trinidad, Brazil.,, *tuberculata*, *Miq.* St. Vincent, Trinidad.,, *æqualis*, *Miq.* Dominica, Trinidad.PIPER *nigrum*, India, Ceylon, Malayan Archipelago.,, *Cubeba*, *L.* Malayan Archipelago.OTTONIA *Vahl*, *Spreng.* Trinidad.

PINACEÆ.

PINUS Ehrenbergii,

,, Canariensis, <i>Buch.</i>	Canary Islands,
,, Nordmanniana,	Crimea.
,, macrophylla, <i>Lindl.</i>	Mexico.
,, insignis, <i>Douglas.</i>	California.
,, Strobilus, <i>L.</i>	North America.
,, Verschafeltii,	Mexico.
,, Antoniana,	Mexico.
,, magnifica,	Mexico.
,, longifolius, <i>Lam.</i>	North India.
,, parviflorus,	Japan.
,, Menziesii, <i>Lond.</i>	California.

ARAUCARIA imbricata, *Pavon.* Chili.

,, excelsa, <i>Ait.</i>	Norfolk Island.
,, Bidwellii, <i>Hook.</i>	Moreton Bay.
,, Cookii, <i>Hook.</i>	New California.

DAMMARA Moorei, New South Wales.

JUNIPERUS excelsus, *Wild.* Himalaya.

,, Chinensis,	China.
,, thurifera, <i>Wild.</i>	Spain.
,, Japonica,	Japan.
,, Barbadosensis, <i>Wild.</i>	
,, sagittifolia,	

THUJA orientalis, *Tourne.* Asia.

,, aurea,	Japan.
,, gigantea,	California.

LIBROCEDROS decurrens,

BIOTA pendula, *Endl.* North India.

,, Meldensis,	Garden hybrid.
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THUJOPSIS	dolabrata,	Japan.
„	borealis, <i>Glanca</i> .	California.
„	lætevirens,	Japan.
CRYPTOMERIA	elegans,	Japan.
„	Japonica, <i>Don</i> .	Japan.
„	Lobbi,	
CUPRESSUS	sempervirens,	Candia.
„	pyramidalis, <i>Targ</i> .	South Europe.
„	horizontalis, <i>Mill</i> .	South Europe.
„	torulosus,	California.
„	funebri, <i>Endl</i> .	China, Japan.
„	thyoides,	China, Japan.
RETINOSPORA	obtusa,	Japan.
„	picifera,	Japan.
„	squarrosa,	Japan.
„	princeps,	Japan.
„	leptoclada,	Japan.
„	filifera,	Japan.
„	ericoides,	Japan.
„	plumosa,	Japan.
CALLITRIS	quadrivalvis, <i>Vent</i> .	South Europe, North Africa
„	Australis,	Australia.
„	columnaris,	Australia.
TAXODIUM	distichum,	North America.
WIDDRINGTONIA	cupressoides,	Cape G. Hope.
FRENELA	Gunnii,	Tropical Australia.
„	Ventenanti,	New Holland.

TAXACEÆ.

TAXUS	baccata,	Europe.
„	horizontalis,	Europe.

TAXUS drupaceus,	China.
TORREA nucifera,	Japan.
PODOCARPUS elongatus, <i>P. S.</i>	South Africa.
„ neriifolius, <i>D. Don.</i>	Nepal.
„ salicifolius, <i>Kunth.</i>	Trinidad, Jamaica, Cuba.
„ coriaceus, <i>Rich.</i>	Trinidad, Jamaica.

CYCADEÆ.

CYCAS revoluta, <i>Thun.</i>	China.
„ circinalis, <i>L.</i>	Moluccas.
„ Rumphii, <i>Miq.</i>	Moluccas.
„ sp.	South Africa.
DION edule, <i>Lindl.</i>	Mexico.
ZAMIA integrifolia, <i>Ait.</i>	Cuba, Hayti, Jamaica.
MACROZAMIA Denisoni, <i>Moore et Muel.</i>	Moreton Bay.
ENCEPHALARTOS Lehmannii,	Cape G. Hope.
„ villosus,	Cape G. Hope.
„ Barterii, <i>Hook.</i>	West Africa.

PALMEÆ.

CHAMÆDOREA excelsa,	Mexico.
HYOSPATHE pubigera, <i>Grise. et Wendl.</i>	Trinidad.
EUTERPE sylvestris,	Brazil.
„ oleracea, <i>Mart.</i>	Jamaica, Trinidad, Guiana.
„ sp.	Trinidad.
CENOCARPUS Batua, <i>Mart.</i>	Trinidad, Amazon.
OREODOXA oleracea, <i>Mart.</i>	W. Indies (Trinidad), Mexico to Brazil.
PINANGA maculata,	Bengal.

ARECA Catechu, <i>L.</i>	India, Ceylon, Malayan Peninsula.
„ rubra, <i>Bonj.</i>	
„ horrida, <i>Griff.</i>	Moluccas.
„ Madagascariensis, <i>Mart.</i>	Madagascar.
„ lutescens,	
„ Bauerii, <i>Hook.</i>	Norfolk Island.
SEAFORTHIA elegans, <i>R. Br.</i>	Tropical Australia.
CARYOTA urens, <i>L.</i>	India.
„ sobolifera, <i>Wall.</i>	India.
„ Cummingii,	Pacific Islands.
„ mitis, <i>Lour.</i>	China.
„ elegans,	
„ humilis, <i>Rein.</i>	
CALAMUS Roxburghii, <i>L.</i>	India.
„ viminalis,	India.
„ Jenkinsii,	India.
„ asperimus,	Borneo, Sumatra.
„ sp.	India (Calcutta).
MAURITIA flexuosa, <i>Mart.</i>	Trinidad.
BORASSUS flabelliformis, <i>L.</i>	Eastern Tropics.
LATANIA glaucophylla,	
„ mirabilis,	
„ Borbonica, <i>L.</i>	Bourbon.
„ Commersonii, <i>L.</i>	Mauritius, Madagascar.
GEONOMA vaga, <i>Grise. et Wendl.</i>	Trinidad, Tropical South America.
„ Schottiana, <i>Mart.</i>	Brazil, New Grenada.
„ fenestrata, <i>Hort.</i>	Brazil.
„ Verschafelti,	Brazil.

MANICARIA	saccifera, <i>Mart.</i>	Trinidad, Tropical South America.
PRITCHARDIA	Pacifica,	Pacific Islands.
CORYPHA	umbraculifera, <i>L.</i>	Ceylon, Malabar.
„	elata, <i>Rox.</i>	Bengal.
„	Australis,	Australia.
LIVISTONA	Jenkinsii, <i>Griff.</i>	Assam.
LICUALA	spinosa, <i>Warmb.</i>	Malayan Peninsula, Java.
SABAL	umbraculifera, <i>Mart.</i>	Bahamas.
„	Palmetto,	Central America.
„	mauritiiformis, <i>Grise. et Wendl.</i>	Trinidad (?) Venezuela.
„	Adansonii, <i>Guern.</i>	South United States.
„	carata, <i>H.P., MS.</i>	Trinidad.
CHAMÆEROPS	stauracantha,	Mexico.
RAPHIS	flabelliformis, <i>Ait.</i>	Japan, China.
THRINAX	parviflora, <i>Swartz.</i>	Jamaica, Trinidad.
„	radiata, <i>Lodd.</i>	Jamaica, Trinidad.
PHŒNIX	dactylifera, <i>L.</i>	N. Africa, Syria, Arabia.
„	sylvestris, <i>Roxb.</i>	Bengal.
„	Leonensis, <i>Roxb.</i>	Sierra Leone.
„	farinifera, <i>Roxb.</i>	India (Sunderbund).
„	acaulis, <i>Roxb.</i>	Bengal, Behar.
„	sp.	India.
DESMONCUS	major, <i>Creug.</i>	Trinidad.
„	minor, <i>H.P., MS.</i>	Trinidad.
BACTRIS	simplicifrons, <i>Mart.</i>	Trinidad, Brazil.
„	acanthonemis, <i>Mart.</i>	Trinidad, Guiana, Brazil.
„	Cuesa, <i>Creug.</i>	Trinidad.
„	maraja,	Brazil.
„	sp.	Trinidad.

GUILLIELMIA speciosa,	Tropical South America
„ sp.	Trinidad (Mission).
MARTINEZIA caryotæfolia,	Martinique, San Domingo.
ACROCOMIA sclerocarpa, <i>Mart.</i>	Trinidad, Panama.
„ vulgare, <i>L.</i>	Trinidad, Tropical South America.
„ Mexicana,	Mexico.
„ rostrata, <i>Hook.</i>	Jamaica, Martinique, San Domingo.
ATTALEA compta, <i>Mart.</i>	Brazil.
„ mirabilis,	Brazil.
MAXIMILIANA regia, <i>Mart.</i>	Trinidad, Tropical South America.
„ caribæa, <i>Grise. et Wendl.</i>	Trinidad, Guiana, Surinam, Venezuela.
ELAIS Guiniensis, <i>L.</i>	West Africa.
COCOS nucifera, <i>L.</i>	Naturalized in almost all Tropical Countries.
„ plumosa, <i>Mart.</i>	Brazil.
„ botryophora, <i>Mart.</i>	Brazil.
„ campestris, <i>Lodd.</i>	Tropical South America.
„ amara, <i>Jacq.</i>	Brazil.
„ coronata, <i>Mart.</i>	Brazil.
„ Romanzorffii,	Brazil.
DIPLOTHEMIUM maritimum, <i>Mart.</i>	Brazil.
ARRHENGIA saccharifera, <i>Labill.</i>	Malayan Islands.
WALLICHIA caryotoides, <i>Roxb.</i>	Tropical Sikkim, Assam.
PHYTELEPIAS macrocarpa, <i>Ruiz. et Pav.</i>	Guiana, Surinam, New Grenada.

PANDANACEÆ.

- CARLUDOVICA palmata, Brazil.
 „ Plumierii, *Kunth*. Trinidad, Demerara.
 PANDANUS odoratissimus, *L. f.* Shores of India & Arabia.
 „ utilis, *Bojer*. Mauritius.
 „ furcatus, *Roxb.* Tropical Sikkim.
 „ variegatus, *Miq.* Balie.
 „ elegans, Isle of France.
 „ Lais, Hab. Ignot.
 „ Australis, Australia.
 „ humilis, *Rumph.* Mauritius.
 „ inermis, *Roxb.* Amboyna.

TYPHACEÆ.

- TYPHA angustifolia, *L.*
 „ „ var. Domingensis, *Pers.* Trinidad,
 (this var.) Texas to Brazil.

AROIDEÆ.

- AMORPHOPHALLUS campanulatus, *Blume*. Tropics.
 „ bulbifer, *Blume*. Bengal, Malay Peninsula.
 CALOCASIA odora, *Brong.* Pegu.
 „ antiquorum, *Schott.* Cultivated in Tropical
 Countries.
 „ macrorrhiza variegata, Tropical Asia.
 „ metallica, Borneo.
 „ Veitchii, Borneo.
 „ Lowii, Borneo.
 „ Jenningsii, New Grenada.
 „ gigantea, New Grenada.

- CALADIUM bicolor, *Vent.* Brazil.
- | | | | |
|---|-------------------------|-------------------------|-------------------------|
| „ | splendens, | } | Tropical South America. |
| „ | Chantinii, | | |
| „ | Newmanii, | | |
| „ | Wightii, | | |
| „ | Pæcile, | | |
| „ | Houletii, | | |
| „ | hastatum, <i>Lam.</i> | | |
| „ | Belleymei, | Brazil. | |
| „ | marmorata, <i>Math.</i> | Tropical South America. | |
| „ | argyrites, <i>Lamb.</i> | Brazil. | |
- ACONTIAS helliborifolius, *Schott.* Western Tropics.
- XANTHOSOMA atrovirens, *Kunth.* W. Indies.
- „ sagittifolium, *Schott.* W. Indies (Trinidad).
- PHILODENDRON dispar, *Schott.* Jamaica, Trinidad, Brazil.
- „ tripartitum, *Schott.* Jamaica, Trinidad, Brazil.
- „ erubescens, *Lindl.* Jamaica, Trinidad, Brazil.
- ANTHURIUM violaceum, *Schott.* Mexico to Brazil.
- „ Guildingii, *Schott.* Western Tropics.
- „ cordifolium, *Kunth.* W. Indies (Trinidad) Brazil
- „ acaule, *Kunth.* Trinidad to Brazil.
- MONSTERA deliciosa, Brazil.
- „ pertusa, *Grise.* Western Tropics.
- SPATHIPHYLLUM cannæfolium, *Schott.* Trinidad, Brazil.
- AGLAONEMA marantæfolia, *Schott.* Brazil.
- DIEFFENBACHIA seguine, *Schott.* Trinidad, Tropical S. America.
- „ „ variegata,
- „ Weirii, New Grenada.
- „ Pearcei, New Grenada.

DIEFFENBACHIA Baraquini, New Grenada.

MONTRICHARDIA aculeata, *Creng.* Trinidad, Guiana.

PISTACEÆ.

PISTIA stratiotes, *Jacq.* Tropics.

LEMNA minor, *L.* Temperate & Tropical Zones

„ trisulca, *L.* Temperate & Tropical Zones

ORCHIDACEÆ.

STELIS ophioglossoides, *Swartz.* Trinidad, Mexico to Guiana

OCTOMERIA graminifolia, *R.Br.* Dominica, Trinidad.

MICROSTYLIS umbellata, *Lindl.* W. Indies (Trinidad),
Mexico.

DENDROBIUM moschatum, *Wild.* Silhet.

„ macrophyllum, *Lindl.* Manilla.

„ „ giganteum,

„ clavatum,

„ Dayanum,

„ Dalhousianum, *Part.* Moulmein.

„ aggregatum, *Roxb.* Arracan.

„ formosum, *Roxb.* E. Indies.

„ densiflorum, *Wall.* Nepal.

„ nobile, *Lindl.* Tropical Sikkim, Assam.

„ „ Wallichianum,

„ tortile, *Lindl.* Moulmein.

„ fimbriatum, *Hook.* E. Indies.

„ „ occulatum, E. Indies.

„ albo-sanguineum, *Lindl.* Moulmein.

„ chrysanthum, *Wall.* Nepal.

„ Farmeri, *Lindl.* E. Indies.

„ Pierardei, *Roxb.* Tropical Himalaya, Assam

„ Gibsoni, *Part.* E. Indies.

CÆLOGYNE speciosa,	Borneo.
„ cristata,	Nepal.
ISOCHILUS linearis, <i>R. Br.</i>	Mexico to Brazil (Trinidad)
EPIDENDRUM Ottonis, <i>G. Rehb.</i>	Trinidad, Venezuela.
„ rufum, <i>Lindl.</i>	Trinidad, Bahamas.
„ serrulatum, <i>G. Rehb.</i>	Trinidad, Jamaica.
„ bicornutum, <i>Hook.</i>	Trinidad, Venezuela.
„ indivisum, <i>Bradf.</i>	Trinidad.
„ ciliare, <i>L.</i>	W. Indies (Trinidad), Mexico to Grenada.
„ fragrans, <i>Swartz.</i>	Cuba to Brazil, (Trinidad)
„ Trinitatis, <i>L.</i>	Trinidad, New Grenada.
„ nutans, <i>Swartz.</i>	Trinidad, Jamaica.
„ pallidæflorum, <i>Hook.</i>	Trinidad, Jamaica.
„ nocturnum, <i>L.</i>	Western Tropics.
„ elongatum, <i>Jacq.</i>	Western Tropics.
„ Schomburgkii, <i>Lindl.</i>	Trinidad, Brazil.
„ rhizophorum,	New Grenada.
„ strobiliferum, <i>G. Rehb.</i>	Trinidad, Jamaica, Guiana.
„ ramosum, <i>Jacq.</i>	Cuba to Brazil, (Trinidad).
„ umbellatum, <i>Swartz.</i>	Cuba to Brazil, (Trinidad).
„ sthenopetalum, <i>Hook.</i>	Trinidad, Jamaica, Guiana.
„ teretifolium, <i>Swartz.</i>	Trinidad, Jamaica.
„ aurantiacum,	
„ vitellinum, <i>Lindl.</i>	Mexico.
„ macrochilum, <i>Hook.</i>	Guatemala.
„ atropurpureum,	
„ dichromum,	
„ aromaticum, <i>Bate.</i>	Guatemala.

- HEXADESMIA fusiformis, *Grise.* Trinidad.
- SOPHRONITIS grandiflora, *Lindl.* Organ Mountains.
- BARKERIA spectabilis, *Bate.* Guatimala.
- „ Skinnerii, *Lindl.* Guatimala.
- „ Lindleyana, *Bate.* Costa Rica.
- BROUGHTONIA sanguinea, *R.Br.* Jamaica.
- LÆLIA gigantea, Brazil.
- „ elegans, *Morrem.* Brazil.
- „ Perinii grandiflora, Brazil.
- „ purpurata, *Lindl.* Brazil.
- „ autumnalis, *Lex.* Mexico.
- „ majalis, *Lindl.* Guatimala.
- CATTLEYA Dowiana, *Bate.* Costa Rica.
- „ Trianiæ,
- „ Loddigei, *Lindl.* Tropical America.
- „ Forbesii, *Lindl.* Tropical America.
- „ Acklandæ, *Lindl.* Brazil.
- „ lobata, *Lindl.* Brazil.
- „ Skinnerii, *Bate.* Guatimala.
- „ labiata, *Lindl.* Tropical South America.
- „ Mossiæ, *Lindl.* Tropical South America.
- „ superba, *Lindl.* Demerara.
- SCHOMBURGKIA undulata, *Lindl.* Trinidad, Venezuela.
- „ Tibicinus, *Bate.* Honduras.
- LEPTOTES bicolor, *Lindl.* Brazil.
- BRASSAVOLA cuculata *R.Br.* Western Tropics.
- PHAJUS Wallichii, *Lindl.* Khasia Hills.
- „ grandifolius, *Lour.* Tropics.
- BLETIA Sheppardii, *Lindl.* Jamaica.
- „ florida, *R.Br.* Trinidad, Venezuela.

CYOTOPERA Woodfordii, *Lindl.* Trinidad, Guiana.

VANDA Roxburghii, *R.Br.* India, Ceylon.

„ Batemanii, *Lindl.* Moluccas.

„ insignis, *Blume.* Java.

„ suavis, *Lindl.* Java.

„ tricolor, *Lindl.* Java.

„ furva, *Lindl.* China.

„ cristata, *Lindl.* Nepal, Sikkim.

„ teres, *Lindl.* Burmah, Sikkim.

PHALÆNOPSIS rosea, *Lindl.* Manilla.

„ amabilis, *Blume.* Philippines, & Islands of
Malayan Archipelago.

SACCALABIUM Blumei, *Lindl.* Java.

„ ampulaceum, *Lindl.* Sikkim.

„ giganteum,

„ guttatum, *Lindl.* India, Ceylon, China.

ZERIDES Warnerii,

„ maculosum, *Lindl.* E. Indies.

„ odoratum cornutum, *Lour.* Khasia Hills, Sikkim.

„ suavissimum, *Lindl.* Malacca.

„ quinquevulnerum, Philippines.

„ Lobbi,

„ roseum, superbum, *Lodd.* E. Indies.

„ virens, *Lindl.* Java.

„ affine, *Wall.* Nepal.

CYMBIDIUM Mastersii, *Griff.* E. Indies.

„ aloifolium, *Sw.* South India, Ceylon.

ANSELLIA Africana, *Lindl.* W. Africa.

ASPASIA variegata, *Lindl.* Tropical South America,
and Trinidad.

TRICHOPELIA	tortilis,	
„	suavis, <i>Lindl.</i>	Mexico.
NANODES	discolor, <i>Lindl.</i>	Trinidad, Brazil.
DICHEA	graminea, <i>Grise.</i>	Western Tropics.
LOCKHARTIA	acuta, <i>Rehb.</i>	Trinidad, Venezuela.
„	elegans, <i>Hook.</i>	Trinidad, Brazil.
POLYSTACHYA	luteola, <i>Hook.</i>	W. Indies (Trinidad).
ONCIDIUM	iridifolium, <i>Ath.</i>	Mexico to Brazil, Trinidad.
„	triquetrum,	Jamaica.
„	luridum, <i>Lindl.</i>	Trinidad, Venezuela.
„	„ guttatum,	Trinidad.
„	ampliatum, <i>Lindl.</i>	Trinidad, Venezuela.
„	„ major,	Trinidad.
„	Lanceanum,	Trinidad, Guiana.
„	Spruceanum,	New Grenada.
„	bifolium, <i>H. K.</i>	Trop. S. America, Trinidad.
„	sanguineum,	
„	barbatum, <i>Lindl.</i>	Tropical South America.
„	pulvinatum,	New Grenada.
„	altissimum, <i>Sw.</i>	W. Indies.
„	citrinum, <i>Lindl.</i>	Trinidad.
„	flexuosum <i>R. Br.</i>	Carupano.
„	papilio, <i>Lindl.</i>	Trinidad, Venezuela.
„	Cebolleta, <i>Sw.</i>	Trinidad, Venezuela.
ODONTOGLOSSUM	Cervantesii, <i>Llave.</i>	Mexico.
„	grande, <i>Bate.</i>	Guatemala.
„	gloriosum,	Guatemala.
„	pulchellum,	Guatemala.
„	sp.	Jamaica.
BRASSIA	verrucosa, <i>Bate.</i>	Guatemala.

BRASSIA Wrayii,	Guatimala.
„ maculata, <i>R.Br.</i>	Jamaica, Trinidad.
„ caudata, <i>Lindl.</i>	Jamaica.
MILTONIA stellata,	Brazil.
STANHOPEA grandiflora, <i>Lindl.</i>	Trinidad, Guiana.
PERISTERIA elata, <i>Hook.</i>	Panama, New Grenada, Venezuela.
„ pendula, <i>Hook.</i>	Trinidad, Demerara.
„ sp.	Trinidad.
BATEMANIA Colleyi, <i>Lindl.</i>	Trinidad, Demerara.
GONGORA atropurpurea, <i>Hook.</i>	Trinidad, Guiana.
„ maculata, <i>Lindl.</i>	Trinidad, Guiana.
CORYANTHES maculata, <i>Hook.</i>	Trinidad, Guiana.
ORNITHIDIUM confertum, <i>Grise.</i>	Trinidad, Cuba.
HUNTLEYA violacea, <i>Lindl.</i>	Trinidad, Guiana.
„ sp.	Trinidad.
ZYGOPETALUM cochleare, <i>Lindl.</i>	Venezuela, Brazil, Tri- nidad.
„ Mackayii, <i>Hook.</i>	Brazil.
MAXILLARIA alba,	Jamaica, Trinidad, Guiana.
„ rufescens, <i>Lindl.</i>	Trinidad, Venezuela.
„ pallidæflora, <i>Hook.</i>	Trinidad, Cuba, Venezuela
„ sp.	Trinidad (Cedros).
„ sp.	Trinidad (Saut d'Eau).
LYCASTE Skinnerii, <i>Lindl.</i>	Guatimala.
ANGULOIA Clowesii,	Columbia.
CAMARIDIUM ochroleucum, <i>Lindl.</i>	Guiana, Venezuela.
PAPHINIA cristata, <i>Lindl.</i>	Trinidad, Guiana.
CATASETUM tridentatum, <i>Hook.</i>	Trinidad, Brazil.
MORMORDES sp.	Carupano.

- CLOWESIA rosea, *Lindl.* Venezuela.
- CYCHNOCHES ventricosa, *Lindl.* Brazil.
- CYRTOPODIUM Andersonii, *R. Br.* Cuba to Brazil (Trinidad)
- „ cristatum, *Lindl.* Trinidad, Guiana.
- ORNITHOCEPHALUS gladiatus, *Hook.* Trinidad.
- „ Creugerii, *G. Rehb.* Trinidad.
- CRYPTARRHENIA pallidæflora,
G. Rehb. Trinidad, Mexico, Ecuador.
- TRIZEUXIS falcata, *Lindl.* Trinidad.
- RODRIGUESIA secunda, *Kunth.* Trinidad, Venezuela, Brazil
- BURLINGTONIA candida, *Lindl.* Demerara.
- IONOPSIS utricularioides, *Lindl.* Jamaica, Trinidad.
- „ pallidæflora, *Lindl.* Trinidad.
- CALANTHE vestita, *Lindl.* Tavoy.
- „ nivalis,
- „ Veitchii,
- „ „ superba,
- LIMATODES rosea, *Lindl.* Martaban.
- POGONIA Surinamensis, *Lindl.* Trinidad, Guiana.
- VANILLA aromatica, *Grise.* Western Tropics.
- „ planifolia, *Aud.* Mexico to Brazil (Trinidad)
- „ claviculata, *Sw.* Jamaica, Hayti.
- „ lutescens,
- SPIRANTHES picta, *Lindl.* Trinidad, Guiana, Brazil.
- „ „ variegata, } Trinidad.
- „ „ punctata, }
- „ simplex, *Grise.*
- PHYSURUS plantagineus, *Lindl.* Trinidad.
- CYPREPIDIUM Hookerii,
- „ barbatum, *Lindl.* Java.

CYPREPIDIUM venustum, *Wall.* Nepal.

„ insigne, *Wall.* Nepal.

ZINGIBERACEÆ.

GLOBBA sp. E. Indies.

MANTISIA saltatoria, E. Indies.

ZINGEBER officinale, *Rosc.* Cultivated in Tropical Countries.

CURCUMA sp. Trinidad.

„ Roscoeana, India.

KEMPFERIA rotundæfolia, *L.* Cultivated in Tropical Gardens.

AMOMUM granum-paradisi, *Hook. fil.* Sierra Leone.

„ melagueta, *Rosc.* West Coast Africa.

ELETTARIA cardamomum, *Maton.* Malabar.

HEDYCHIUM angustifolium, *Rox.* India.

„ flavescens, *B.C.* India.

„ coronarium, *Kæn.* Bengal, Cuba.

ALPINIA nutans, *Rosc.* India, Ceylon, Philippines.

„ mutica, Java.

„ Allughas, *Rosc.* Malayan Peninsula.

COSTUS cylindricus, *Jacq.* Trinidad, Guiana.

„ spiralis, *Rosc.* Trinidad, Brazil.

„ spicatus, *Sw.* W. Indies (Trinidad) Brazil

„ zebrinus, New Grenada.

CANNACEÆ.

THALIA geniculata, *L.* Trinidad, Guiana, Brazil.

MARANTA arundinacea, *L.* Tropical S. America.

„ Indica, *Tuss.* Western Tropics.

„ Tonchat, *Aubl.* Western Tropics.

PHRYNIUM	setosum, <i>Rosc.</i>	Brazil.
,,	Porteanum,	Brazil.
,,	sagarina,	Brazil.
CALATHEA	discolor, <i>May.</i>	Trinidad, Guiana, New Grenada.
,,	Allouya, <i>Lindl.</i>	Trinidad, Dominica, Guiana.
,,	comosa, <i>Lindl.</i>	Trinidad, Guiana.
,,	Van den Heckeï,	Brazil.
,,	bicolor, <i>Ker.</i>	Brazil.
,,	sp.	Trinidad (Caroni).
,,	sp.	Trinidad (Caroni & St. Ann).
CANNA	Indica, <i>L.</i>	Jamaica, Venezuela.
,,	Lamberti, <i>Lindl.</i>	Trinidad, Guiana.
,,	edulis, <i>Ker.</i>	Trinidad, Guiana.
,,	glaucæ, <i>L.</i>	Trinidad, Guiana.
,,	Warcewiczii, <i>L.</i>	Brazil.

MUSACEÆ.

MUSA	paradisiaca, <i>L.</i>	Tropics.
,,	sapientum, <i>L.</i>	Tropics.
,,	Cavendishii, <i>Pax.</i>	India, China.
,,	vittata, <i>Hook.</i>	West Africa.
,,	textilis,	Manilla, Java.
,,	rosacea, <i>W.</i>	Mauritius.
HELICONIA	Bihai, <i>L.</i>	Trinidad, Guiana to Peru.
,,	pulverulenta, <i>Lindl.</i>	Trinidad, Guiana to Peru.
,,	psittacorum, <i>L.</i>	Venezuela to Brazil.
,,	buccinata, <i>Rox.</i>	Sumatra, Moluccas.
RAVENALA	Madagascariensis, <i>Sonn.</i>	Madagascar.
STRELITZIA	augusta, <i>Thunb.</i>	Cape Good Hope.

STRELITZIA regina, *H. K.* Cape Good Hope.

PHENACOSPERMUM Guianensis, *Endl.* Guiana.

IRIDEÆ.

CIPURA paludosa, *Aubl.* Tropical America.

„ Martinicensis, *Kth.* W. Indies, N. Grenada.

„ sp.. Trinidad.

WATSONIA speciosa,

GLADIOLUS psittacinus, *L.*

LILIACEÆ.

GLORIOSA superba, *L.* Bengal, Assam.

HEMEROCALLIS fulva, *W.* Levant.

AGAPANTHUS umbellatus, *L'Herit.* Cape Good Hope.

POLIANTHES tuberosa, *L.* Tropical America.

PHORMIUM tenax, *Forst.* Australia.

SANSEVIERA Guineensis, *Wild.* Guinea.

„ teretifolia, Guinea.

„ sessiliflora, *Gard.* China.

ALOE Soccotrina, *Lamb.* Soccotra.

„ frutescens, Cape Good Hope.

„ vulgaris, *Lamb.* Tropics.

„ spinulosus, Cape Good Hope.

„ coarctata, *Ram et Schultes.* Cape Good Hope.

YUCCA gloriosa, *W.* S. United States America,
Mexico.

„ sp.

„ aloifolia, variegata, *L.* Jamaica, Mexico.

SCILLA maculata,

ORNITHOGALUM lacteum, *W.* Cape Good Hope.

TULBAGHIA alliacea, *W.* Cape Good Hope.

TRITONIA aurea, <i>Pappe.</i>	Cape Good Hope.
ASPARAGUS officinalis, <i>L.</i>	S. Europe.
„ sp.	Natal.
CORDYLINE heliconiæfolia,	Brazil.
„ Rumphii, <i>Hook.</i>	New Zealand.
„ sp.	South Africa.
„ rubra,	Australia.
DRACÆNA Draco, <i>W.</i>	Teneriffe, Socotra.
„ tesellata,	
„ arborea,	Sierra Leone.
„ Assamica,	Assam.
„ terminalis,	E. Indies, China.
„ nobilis,	
„ ferrea, <i>H. K.</i>	China.
„ cannaefolium,	
„ fragrans, <i>H. K.</i>	Africa.
„ gracilis,	
„ vivipara,	
„ sp.	Natal.
GASTERIA sulcata,	Cape Good Hope.
„ læte-puncatata,	Cape Good Hope.
„ verrucosa,	Cape Good Hope.
„ glabra,	Cape Good Hope.

DIOSCOREÆ.

DIOSCOREA alata, <i>L.</i>	Cultivated in most Tropical Countries.
„ „ vars. a & b, <i>Grise.</i>	
„ bulbifera, <i>L.</i>	E. Indies, China.
„ Kegeliana, <i>Gr.</i>	Trinidad.
„ multiflora, <i>Presl.</i>	W. Indies (Trinidad).

DIOSCOREA discolor, Tropical South America,
Trinidad.

COMMELYNACEÆ.

COMMELYNIA Cayennensis, *Rich.* W. Indies (Trinidad) to
Brazil, Tropical Africa.

„ persicarifolia, *DC.*

„ elegans, *Kunth.* Cuba to Brazil (Trinidad).

TRADESCANTIA geniculata, *Jacq.* W. Indies (Trinidad),
Mexico to Brazil.

„ discolor, *Swartz.* Trinidad, Guadeloupe.

„ umbellata, *Vahl.* Trinidad, Brazil.

„ Warcewiczii, Brazil.

„ sp. Trinidad.

RAPATEA paludosa, *Aubl.* Brazil, Trinidad.

DICHORIZANDRA Aubletiana, *Rich.* Western Tropics.

„ thyrsiflora, *Vand.* Brazil.

„ vittata,

„ undata, Peru.

CYPERACEÆ.

„ polystachyus, *Rott.* Tropics.

„ compressus, *L.* Tropics.

„ viscosus, *Ait.* Western Tropics.

CYPERUS laxus, *Lamb.* Western Tropics.

„ Surinamensis, *Rott.* Mexico to Brazil (Trinidad)

„ trichodes, *Grise.* Jamaica, Trinidad.

„ odoratus, *L.* W. Indies (Trinidad).

„ elatus, *L.* E. and W. Indies, Guiana.

CYPERUS	VahlII, <i>Steud.</i>	W. Indies (Trinidad).
,,	ligularis, <i>L.</i>	W. Tropics, S. Africa.
,,	densiflorus, <i>Mey.</i>	Western Tropics.
,,	cyclostachys, <i>Grise.</i>	Trinidad, Jamaica.
,,	flexuosus, <i>Vahl.</i>	Cuba to Brazil (Trinidad).
,,	giganteus, <i>Vahl.</i>	Trinidad, Guiana.
,,	esculentus, <i>L.</i>	Tropics, Italy, C. G. Hope.
,,	rotundus, <i>L.</i>	Tropics, and warmer temperate parts.
,,	alternifolius, variegatus,	New Zealand.
SCIRPUS	retroflexus, <i>Poir.</i>	Mexico to Brazil (Trinidad).
,,	capitatus, <i>L.</i>	Tropics.
,,	ferrugineus, <i>L.</i>	Tropics.
,,	brizoides, <i>Swartz.</i>	W. Tropics.
,,	capillaris, <i>L.</i>	Tropics.
,,	juncoides, <i>Wild.</i>	Cuba to Brazil.
KYLLINGA	brevifolia, <i>Rott.</i>	
,,	var. plurifolia, <i>Grise.</i>	Cuba to Brazil (Trinidad).
FUIRENA	umbellata, <i>Rott.</i>	Tropics.
DIPLASIA	karatifolia, <i>Rich.</i>	Trinidad, Guiana, Brazil.
RHYNCHOSPORA	cephalotes, <i>Vahl.</i>	Panama to Brazil (Trinidad).
,,	comata, <i>Link.</i>	Panama to Brazil (Trinidad)
,,	curvata, <i>Grise.</i>	Trinidad.
,,	cyperoides, <i>Mart.</i>	Mexico to Brazil (Trinidad)
,,	stenorhyncha, <i>Grise.</i>	Trinidad.
,,	Surinamensis, <i>Nees.</i>	Tropics.
,,	filiformis, <i>Vahl.</i>	Trinidad, Brazil.
,,	Vahliana, <i>Grise.</i>	Western Tropics.
,,	Persooniana, <i>Grise.</i>	Mexico to Guiana (Trinidad)

SCLERIA	pratensis, <i>Lindl.</i>	Cuba to Brazil (Trinidad).
,,	latifolia, <i>Swartz.</i>	W. Indies.
,,	bracteata, <i>Cav.</i>	Cuba to Peru (Trinidad).
CALYPTROCARYA	angustifolia, <i>Nees.</i>	Trinidad, Brazil.

GRAMINEÆ.

ANDROPOGON	brevifolius, <i>Swartz.</i>	Tropics.
,,	condensatus, <i>Kunth.</i>	Western Tropics.
,,	fastgiatus, <i>Swartz.</i>	Western Tropics.
,,	Schænanthus, <i>L.</i>	Asia.
SORGHUM	vulgare, <i>Pers.</i>	Tropics, and S. Europe.
ANATHERUM	muricatum, <i>P. B.</i>	E. Indies.
SACCHARUM	officinarum, <i>L.</i>	E. Indies.
,,	,, var. Otahete.	
,,	,, , Congo.	
,,	,, , Yellow Creole.	
,,	,, , Purple Cane.	
,,	,, , Bourbon.	
,,	,, , White Cane.	
,,	,, , Ribbon Cane.	
BAMBUSA	gigantea, <i>Wall.</i>	Burmah.
,,	regia, <i>Thoms.</i>	Burmah.
,,	vulgaris, <i>Schred.</i>	E. Indies.
,,	spinosa, <i>Rox.</i>	Bengal.
,,	Sieberi, <i>Grise.</i>	E. Indies.
,,	sp.	Trinidad.
STREPTOGYNE	crinita, <i>P. B.</i>	S. United States, to Guiana (Trinidad).
ERAGROSTIS	pilosa, <i>P. B.</i>	Tropics.

- ERAGROSTIS ciliaris, *Link.* Tropics.
- ELEUSINE Indica, *Grise.* Tropics.
- LEPTOCHLOA mucronata, *Kunth.* Tropics.
- „ virgata, *P. B.* Western Tropics.
- „ filiformis, *R. et P.* Trop. America (Trinidad).
- CHLORIS radiata, *Kunth.* Tropics.
- „ polydactyla, *Swartz.* Mexico to Brazil (Trinidad)
- ISACHNE arundinacea, *Grise.* W. Indies (Trinidad) Tropical South America.
- ERIOCHLOA punctata, *Hamilt.* W. Indies (Trinidad).
- GYNERIUM argenteum, *H. B. K.* Brazil.
- SPOROBOLUS virginicus, *Kunth.* Tropical Swamps (Trinidad)
- „ littoralis, *Kunth.* South Canada to extreme South America.
- „ Jacquemontii, Western Tropics.
- „ Indicus, *R. Br.* Tropics.
- ANTHEPHORA elegans, *Schreb.* Mexico to Brazil (Trinidad)
- CENCHRUS echinatus, *L.* Tropics.
- SETARIA glauca, *P. B.* Temperate & Trop. Zones.
- OPLISMENUS hirtellus, *R. Br.* Guiana, Trinidad.
- „ variegatus, Pacific Islands, Australia.
- PANICUM colonum, *L.* Tropics.
- „ crus-galli, Temperate, and most Tropical Countries.
- „ fuscum, *Swartz.* Mexico to Brazil (Trinidad)
- „ molle, *Swartz.* Tropics.
- „ distichum, *Lamb.* Mexico to Brazil (Trinidad)
- „ stoloniferum, *Poir.* Guiana to Brazil (Trinidad)
- „ maximum, *Jacq.* Western Tropics.
- „ brevifolium, W. Indies (Trinidad).

PANICUM	palmifolium, <i>Poir.</i>	Jamaica, Trinidad.
,,	sulcatum, <i>Aubl.</i>	Mexico to Brazil (Trinidad)
,,	lanatum, <i>Swartz.</i>	W. Indies (Trinidad) Panama to Brazil.
,,	oryzoides, <i>Swartz.</i>	Jamaica, Trinidad, Guiana to Brazil.
,,	sordidum, <i>Thomp.</i>	Trinidad.
,,	pallens, <i>Swartz.</i>	Tropics.
OLYRA	latifolia, <i>L.</i>	W. Indies (Trinidad) Mexico to Brazil.
PASPALUM	compressum, <i>Nees.</i>	Western Tropics.
,,	conjugatum, <i>Berg.</i>	Western Tropics, Africa.
,,	distichum,	Tropics, and Australia.
,,	notatum, <i>Flügg.</i>	Tropical America, Trinidad
,,	decumbens, <i>Swartz.</i>	Trinidad, Venezuela.
,,	virgatum, <i>L.</i>	W. Indies (Trinidad) Mexico to Uruguay.
VILFA	parvana, <i>Steud.</i>	W. Indies, Trop. America.
COIX	lachryma, <i>L.</i>	Tropics.
ORYZA	sativa, <i>L.</i>	Cultivated in most Tropical and some Temp. Countries.
ZEA	Mays, <i>L.</i>	Tropics.

POLYPODIACEÆ.

OLEANDRA	nodosa, <i>Presl.</i>	W. Indies (Trinidad), Guiana.
,,	neriiformis, <i>Car.</i>	Western Tropics.
DAVALLIA	pentaphylla, <i>Blume.</i>	Malayan Archipelago.
,,	dissecta, <i>J. Sm.</i>	Java.
,,	solida, <i>Sw.</i>	
POLYPODIUM	pectinatum, <i>L.</i>	Trinidad, Trop. America.

- POLYPODIUM *paradisæ*, *Lang. et Fisch.* Brazil.
- LEPICYSTIS *squamata*, *J. Sm.* W. Indies (Trinidad).
- GONIOPHLEBIUM *loriceum*, *J. Sm.* Trinidad, Trop. America
- „ *lætum*, *J. Sm.* Trinidad, Brazil.
- „ *meniscifolium*, *J. Sm.* Trinidad, Brazil.
- „ *dissimile*, *J. Sm.* Trinidad, Jamaica.
- „ *neriifolium*, *J. Sm.* Western Tropics.
- SCHELLOLEPIS *subauriculata*, *J. Sm.* Malayan Archipelago
- PHLEBODIUM *aureum*, *R. Br.* Trinidad, Trop. America.
- „ *sporodocarpum*, *J. Sm.* Trinidad, Trop. America.
- „ *dictyocallis*, *J. Sm.* Trinidad, Trop. America.
- LOPHOLEPIS *piloselloides*, *J. Sm.* Western Tropics.
- „ *vaccinifolia*, *J. Sm.* Trinidad, Brazil.
- ANAPELTIS *serpens*, *J. Sm.* W. Indies (Trinidad).
- „ *lycopodioides*, *J. Sm.* W. Indies (Trinidad).
- „ *sp.* Trinidad.
- NIPHOPSIS *augustatus*, *J. Sm.* Malayan Archipelago.
- NEVRODIUM *lanceolatum*, *Fee.* W. Indies (Trinidad).
- DICRANOGLOSSUM *furcatum*, *J. Sm.* Western Tropics.
- PHYMATODES *vulgaris*, *Presl.* Ceylon, Africa.
- PLEURIDIUM *crossifolium*, *Fee.* Trinidad, Trop. America.
- „ *albo-punctatum*, *J. Sm.* Trinidad, Trop. America.
- SELLIGUEA *caudiforme*, *J. Sm.* Java.
- COLYSIS *membranacea*, *J. Sm.* E. India.
- MICROSORUM *irioides*, *Fee.* E. Indies, Trinidad.
- NIPHOBOLUS *lingua*, *Spruce.* E. Indies, China.
- CAMPYLONEURON *ensifolium*, *J. Sm.* Western Tropics.
- „ *phyllitidis*, *Presl.* Trop. America, Trinidad.
- ELAPHOGLOSSUM *conforme*, *Schott.* Tropics.

- ELAPHOGLOSSUM latifolium, *J. Sm.* Trop. Amer., Trinidad.
 „ L'Herminieri, *J. Sm.* Trop. America, Trinidad.
 „ cuspidatum, *J. Sm.* Trop. America, Trinidad.
 „ undulatum, *J. Sm.* Dominica, Trinidad.
 „ Feei, *Bory.* Trinidad.
 „ sp. Trinidad.
 HYMENODIUM crinitum, *Fee.* W. Indies (Trinidad).
 ANETIUM citrifolium, *Splitz.* W. Indies (Trinidad).
 POLYBOTRYA caudata, *Kunze.* Western Tropics.
 „ osmundacea, *Humb.* Western Tropics.
 LOMARIOPSIS sorbifolia, *Fee.* W. Indies (Trinidad).
 „ longifolia, *J. Sm.* Western Tropics.
 OLFERSIA cervina, *Presl.* Trop. America, Trinidad.
 SOROMANES serratifolium, *Fee.* Trinidad, Venezuela.
 GYMNOPTERIS aliena, *Presl.* Trop. America, Trinidad.
 „ sp. Trinidad.
 „ nicotianæfolia, *Presl.* W. Indies (Trinidad).
 NEUROCALLIS præstantissima, *Fee.* W. Indies (Trinidad).
 ACROSTICHUM aureum, *L.* Tropics and sub-tropics of
 both hemispheres.
 PLATYCERIUM stemaria, *Desv.* W. Africa.
 XIPHOPTERIS serrulata, *Kaulf.* Western Tropics.
 GYMNOGRAMME calomelanos, *Kaulf.* Western Tropics.
 „ tartarea, *Desv.* Trop. America, Trinidad.
 „ L'Herminieri, *Kunze.* Guadeloupe.
 „ sulphurea, *Desv.* Jamaica.
 HEMIONITIS cordifolia, *Rox.* E. Indies.
 „ palmata, *L.* W. Indies (Trinidad).
 ANTROPHYUM lineatum, *Kaulf.* W. Indies (Trinidad).
 „ lanceolatum, *Kaulf.* W. Indies (Trinidad).

ANTROPHYUM *Cayennensis*, *Kaulf.* Trinidad, Trop. Amer.

HAPLOPTERIS *lineata*, *J. Sm.* Trinidad, Trop. America.

DRYOMENIS *plantaginea*, *J. Sm.* W. Indies (Trinidad).

MENISCIUM *giganteum*, *Mett.* Trinidad, Trop. America.

„ *palustre*, *Radd.* Trinidad, Brazil.

„ *reticulatum*, *Swartz.* Trinidad, Trop. America.

„ *dentatum*, *Presl.* Trinidad, Brazil.

„ *sp.* Trinidad (Aripo).

GONIOPTERIS *asplenioides*, *Presl.* Trinidad, Jamaica.

„ *crenata*, *Presl.* W. Indies (Trinidad).

„ *tetragona*, *Presl.* W. Indies (Trinidad).

„ *serrulata*, *J. Sm.* Jamaica, Trinidad.

NEPHRODIUM *refractum*, *J. Sm.* Trinidad, Brazil.

„ *venustum*, *J. Sm.* Trinidad, Jamaica.

„ *molle*, *R. Br.* Tropics.

„ *patens*, *J. Sm.* Trinidad, Demerara.

CYCLODIUM *confertum*, *Presl.* Trinidad, Guiana, Bahai.

FADYENIA *prolifera*, *Hook.* Jamaica.

ASPIDIUM *Plumieri*, *Presl.* Trinidad, Martinique, Dominica.

„ *trifoliatum*, *Swartz.* Trinidad, Trop. America.

„ *macrophyllum*, *Swartz.* Trinidad, Trop. America.

„ *cicutarium*, *Swartz.* Trinidad, Jamaica.

HYPODERRIS *Brownii*, *J. Sm.* Trinidad, Guiana.

LASTREA *invisa*, *Presl.* W. Indies (Trinidad).

„ *quinguangulare*, *J. Sm.* Trinidad.

„ *patens*, *Presl.* Western Tropics.

ARTHOPTERIS *obliterata*, *J. Sm.* Australia, Malayan Isles.

NEPHROLEPIS *exaltata*, *Schott.* Western Tropics.

„ *ensifolia*, *Presl.* East Indies.

DIDYMOCHLÆNA lunulata, *Desv.* Western Tropics, Malay-an Archipelago.

AMPHIDESMIUM blechnoides, *Klotzsch.* Tropical America, Trinidad.

PHEGOPTERIS ampla, *Fée.* Martinique, Trinidad.

„ spectabilis, *Fée.* Trinidad, Trop. America.

„ lachnopoda, *J. Sm.* Trinidad, Jamaica.

„ divergens, *Fée.* W. Indies (Trinidad).

„ effusa, *Fée.* W. Indies (Trinidad).

HYPOLEPIS repens, *Presl.* W. Indies (Trinidad).

CHEILANTHES microphylla, *Sw.* Trop. America, Trinidad.

„ radiata, *J. Sm.* Trop. America, Trinidad.

PLATYLOMA falcata, *J. Sm.* E. Indies, Australia.

ADIANTUM caudatum, *L.* E. Indies.

„ lucidum, *Swartz.* Western Tropics.

„ obliquum, *Willd.* Trop. America, Trinidad.

„ macrophyllum, *Swartz.* Western Tropics.

„ pulverulentum, *L.* Western Tropics.

„ intermedium, *Swartz.* Trop. America, Trinidad.

„ prionophyllum, *H. B. K.* Trop. America, Trinidad.

„ fovearum, *Radd.* Trinidad, Brazil.

„ trapeziforme, *L.* Western Tropics.

„ cultratum, *J. Sm.* Trinidad, Trop. America.

„ tenerum, *Swartz.* Western Tropics.

„ concinnum, *H. B. K.* Tropical America.

„ cuneatum, *L. et F.* Brazil.

PTERIS cretica, albo-lineata, *Hook.*

„ heterophylla, *L.* Jamaica.

„ sulcata, *Link.* Trinidad, Brazil.

„ argyrea, *Moore.* E. Indies.

- PTERIS tremula, *R. Br.* New Zealand.
- „ laciniata, *Wild.* W. Indies (Trinidad).
- „ aquilina, *L.* Trop. and temperate zones
of both hemispheres.
- LITOBROCHIA grandiflora, *J. Sm.* Trop. America, Trinidad.
- „ macroptera, *J. Sm.* Trop. America, Trinidad.
- „ podophylla, *Presl.* W. Indies (Trinidad).
- „ biaurita, *J. Sm.* W. Indies (Trinidad).
- DORYOPTERIS sagittifolia, *J. Sm.* Brazil.
- „ pedata, *J. Sm.* Brazil.
- LONCHITIS Lindeniana, *Hook.* Trinidad, Trop. America.
- BLECHNUM longifolium, *H. B. K.* Trinidad, Trop. S. America.
- „ Braziliensis, *Desv.* Brazil.
- „ occidentale, *L.* Trinidad, Trop. America.
- „ serrulatum, *Rich.* Trinidad, Trop. America.
- DOODIA caudata, *R. Br.* Australis.
- LOMARIA onocleoides, *Spreng.* Western Tropics.
- SALPICHLÆNA volubile, *J. Sm.* Western Tropics.
- ASPLENIUM serratum, *L.* Trinidad, Trop. America.
- „ crenulatum, *L.* Trinidad, Trop. America.
- „ salicifolium, *L.* Trinidad, Trop. America.
- „ obtusifolium, *L.* W. Indies (Trinidad).
- „ firmum, *Kunze.* W. Indies (Trinidad).
- „ dentatum, *L.* W. Indies (Trinidad).
- „ Belangeri, *Kunze.* Java.
- „ Fabianum, *Homb.* Mauritius, Australia.
- „ dimorphum, *Kunze.* Norfolk Island.
- „ viviparum, *Presl.* Mauritius.
- „ cicutarium, *Sw.* South America, Trinidad.
- „ cirrhatum, *Rich.* Trop. America, Trinidad.

- ASPLENIUM** auritum, *Swartz.* Trop. America, Trinidad.
 „ macilentum, *Kunze.* Trop. America, Trinidad.
 „ fragrans, *Swartz.* Jamaica, Trinidad.
DIPLAZIUM plantagineum, *Sw.* Trop. America, Trinidad.
 „ grandifolium, *Sw.* Trop. America, Trinidad.
 „ juglandifolium, *Sw.* Venezuela, Trinidad.
 „ Shepperdi, *Link.* W. Indies (Trinidad).
 „ striatum, *Presl.* Trop. America, Trinidad.
 „ sylvaticum, *Swartz.* E. Indies, Trinidad.
 „ Franconis, *Lieb.* Mexico, Jamaica, Trinidad.
NEOTTOPTERIS Australasica, *J. Sm.* New South Wales.
 „ nidus, *J. Sm.* E. Indies.
HEMIDICTION marginatum, *Presl.* Trinidad, Trop. America.
LINDSÆA trapeziformis, *Dry.* Western Tropics.
 „ stricta, *Dry.* Western Tropics.
 „ Guianensis, *Dry.* Trinidad, Guiana.
SACCOLOMA elegans, *Kaulf.* W. Indies (Trinidad).
SITOLOBBIUM adiantoides, *J. Sm.* Trinidad, Trop. America.
 „ Pavoni, *J. Sm.* Trinidad, Trop. America.
 „ dissectum, *J. Sm.* W. Indies (Trinidad).
CYATHEA arborea, *Swartz.* W. Indies (Trinidad).
 „ aculeata, *Wild.* W. Indies (Trinidad).
HEMITELIA speciosa, *Kaulf.* Trinidad, Trop. America.
 „ grandifolia, *Spreng.* W. Indies (Trinidad).
 „ horrida, *R. Br.* W. Indies (Trinidad).
ALSOPHILA ferox, *Presl.* Trinidad, Trop. America.
 „ aculeata, *J. Sm.* Western Tropics.
 „ sagittifolia, *Hook.* Trinidad.
LOPHOSORIA pruinata, *Presl.* Trinidad, Trop. America.

GLEICHENIA *dichotoma*, *Hook.* Tropics and sub-tropics of southern hemisphere.

„ *furecata*, *Spreng.* E. Indies, Trinidad.

„ *longipinnata*, *Kl.* Trinidad.

HYMENOPHYLLUM *asplenoides*, *Swartz.* Western Tropics.

„ *polyanthos*, *Swartz.* Western Tropics.

„ *fucoides*, *Swartz.* Western Tropics.

„ *ciliatum*, *Swartz.* Western Tropics.

„ *hirsutum*, *Swartz.* Western Tropics.

„ *hirtellum*, *Swartz.* Trinidad, Jamaica.

„ *sericeum*, *Swartz.* Western Tropics.

TRICHOMANES *membranaceum*, *L.* W. Indies (Trinidad).

„ *muscoides*, *Swartz.* W. Indies (Trinidad).

„ *Kraussii*, *Hook. et Grev.* W. Indies (Trinidad).

„ *sinuosum*, *Rich.* W. Indies (Trinidad).

„ *pyxidiferum*, *L.* W. Indies (Trinidad).

„ *trichoideum*, *Swartz.* W. Indies (Trinidad).

„ *crispum*, *L.* Trinidad, Trop. America.

„ *Kaulfussii*, *Hook. et Grev.* Trinidad, Trop. America.

„ *alatum*, *Swartz.* Trinidad, Trop. America.

FEEA *spicata*, *Presl.* W. Indies (Trinidad).

„ *nana*, *Bory.* Trinidad, Guiana.

HYMENOSTACHYS *elegans*, *Presl.* Trinidad, Guiana.

LYGODIUM *volubile*. *Swartz.* Trinidad, Guiana to Brazil.

„ *venustum*, *Swartz.* Mexico to Brazil.

ANEMIA *adiantifolia*, *Swartz.* Western Tropics.

ANEMYDICTYON *phyllitidis*, *J. Sm.* Western Tropics.

SCHIZEA *elegans*, *Swartz.* Trinidad, Trop. America.

MARATTIACEÆ.

MARATTIA *alata*, *Sm.* W. Indies (Trinidad).

- DANEA nodosa, *Sm.* Western Tropics.
 „ elliptica, *Sm.* Western Tropics.
 „ stenophylla, *Kunze.* Trinidad, Jamaica.

OPHIOGLOSSACEÆ.

- OPHIOGLOSSUM reticulatum, *L.* Tropics.
 „ palmatum, *L.* W. Indies (Trinidad) Tropical South America.

LYCOPODIACEÆ.

- PSILOTUM triquetrum, *Swartz.* Tropics and sub-tropics of both hemispheres.

- SELAGINELLA serpens, *Spring.* Cuba.
 „ cuspidata, *Link.* Tropical South America.
 „ flabellata, *Spring.* Tropics.
 „ stolonifera, *Spring.* W. Indies (Trinidad).
 „ ciliauricula, W. Indies (Trinidad).
 „ Lobbi, Borneo.
 „ felicina, *Spring.* Columbia, Peru.

- LYCOPODIUM carolinianum, *L.* Tropics.
 „ clavatum, *L.* Tropics.
 „ cernuum, *L.* Tropics.
 „ phlegmaria, *L.* Tropics.
 „ taxifolia, *L.* W. Indies (Trinidad), Peru
 „ verticellatum, *L.* W. Indies (Trinidad), Brazil, Natal.
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ADDENDA ET CORRIGENDA.

PAGE

- 251 Read scabrella for scaberella.
- 253 „ Nymphæaceæ for Nymphaeææ.
- 254 „ Cruciferae for Crucifereæ.
- 255 „ volubilis for volubile ; and add after 8th line—*Canella alba*, *Murr.* West Indies.
- 259 Add after 3rd line—*Bombax ellipticum*, *H.B.* Tropical South America.
- 261 Read nuciferum for nuciferum.
- 267 Add after last line—*CONNARACEÆ*.
Connarus Guianensis, *Lamb.* Trinidad, Guiana.
- 292 Read Petesia for Potesia, and parvifolia for pavifolia.
- 293 „ angustifolia for angostifolia.
- 294 „ Distreptus for Distrepus.
- 296 „ Clomenocoma for Clemenocoma.
- 298 „ Cainito, *L.* for Caimito, *Wild.*
- 299 „ Lisianthus for Lasianthus, and after 17th line add
Buddleia Madagascariensis, *Lamb.*
- 301 „ *Hæmadictyon* for *Hemydictyon*, *Cryptostegia* for
Cryptostegia.
- 304 „ *Gerascanthus* for *gerascanthus*.
- 305 „ *Labiatae* for *Labiatae*.
- 306 „ volubilis for volubile ; and after 20thline add *Aloysia citriodora*, *Ort.* Chili.
- 307 Add after 27th line—*Acanthus montanus*, Fernando Po.
- 308 Read *Aphelandra* for *Alphelandra*. and *Cyrtanthera catalpæfolia*, Honduras, for *C. Catafræfolia* Brazil.
- 309 „ *Cucurbitina* for *Curcubitina*, and after 17th line add :
Tecoma leucoxydon, *Mart.* W. Indies (Trinidad),
Guiana.
- „ *pentaphylla*, *DC.* Trinidad, Guiana, St.
Vincent.
- „ *serratifolia*, *Don.* St. Vincent, Trinidad.
- „ *spectabilis*, *Planch.* St Vincent, Trinidad.
- „ *Stans*, *Juss.* Western Tropics.
- „ *jasminoides*, *Lindl.* Moreton Bay.
- Jacaranda mimosæfolia*, *Don.* Brazil.
- „ *paulistana*, *Silv.* Brazil.
- 310 Read rubra for nebra.
- 311 „ *Scrophularineæ* for *Schophalarieæ*, and *Antirrhinum*
for *Anterrhinum*.

ADDENDA ET CORRIGENDA.

PAGE

- 312 Read Polygonaceæ for Polygalaceæ.
 313 „ sanguineus for sanguinens, and Ayedendron for Ayedendron.
 314 „ De Jonghii for De Tonghii.
 315 „ acerifolia for acrifolia, and Mæhringii for Mærhingii.
 316 „ Mæhringii for Mæringhii.
 317 „ Manihot for Mainhot, and Cœlebogyne for Cælebogyne.
 318 Add after 10th line—*Emblica officinalis*, Moluccas.
 319 Read conglomerata for conglomerata, and Cannabineæ for Cannabinæ.
 320 „ torulosa for torolosa.
 321 „ Menziesii for Menziesii.
 322 „ borealis glauca for borealis *glauca*.
 326 Cancel *Acrocomia vulgare* L. and *A. rostrata*, Hook; and after *A. Mexicana* read *Astrocaryum vulgare*, L. and *A. rostratum*, Hook.
 329 Add after 2nd line—BUTOMACEÆ.
Limnocharis Humboldtii, Trinidad, Brazil.
 332 Read Cyrtopera for Cytopera.
 334 Add after 27th line—*Scuticaria Steelii*, Lindl. Guiana.
 335 Read *Cynoches* for *Cychnoches*, *Cryptarrhena* for *Cryptarrhenia*, and *Cypripedium* for *Cypripidium*.
 336 „ *Zingiber* for *Zingeber*.
 338 Add after 8th line :—AMARYLLIDÆÆ.
Amaryllis equestris, *Ait.* W. Indies (Trinidad), Guiana.
 „ *Belladonna*, L.
 „ *carinata*, *Spreng.* Western Tropics.
Vallota purpurea, *Herb.* Cape Good Hope.
Crinum aquaticum, *Birch.* Cape Good Hope.
 „ *revolutum*, Maranham.
 „ *asiaticum*, China
 „ *amabile* East Indies.
Hæmanthus coccineus, *Wild.* Cape Good Hope.
 „ *tigrinus*, *Wild.* Cape Good Hope.
Hypoxis decumbens, L. Trinidad, Brazil
Pancratium caribæum, L. W. Indies (Trinidad).
 „ *speciosum*, L. W. Indies (Trinidad).
 „ *Mexicanum*, *Kunth.* Mexico.
Alstræmia psittacina, *Lchm* Mexico.
 „ *sp.* Trinidad (Carenage).
Clivia nobilis, *Lindl.* Cape Good Hope.
 „ *Aitoni*, *Hook.* Cape Good Hope.

ADDENDA ET CORRIGENDA.

PAGE

Agave americana, <i>L.</i>	Mexico, W. Indies.
„ „ variegata.	Mexico.
„ Saundersii, <i>Hook.</i>	Mexico.
„ sp.	Mexico.
Fourcroya gigantea, <i>Vent.</i>	Western Tropics.

BROMELIACEÆ.

Ananassa sativa, <i>Lindl.</i>	Tropical South America.
„ „ vars Red	Antigua.
„ „ Black	Jamaica.
„ „ Queen.	Queen.
„ „ South	Queen.
„ „ Pitch	Lake (Trinidad).
Nidularium Karatas, <i>Lemair.</i>	Cuba to Guiana.
Bromelia pinguin, <i>L.</i>	W. Indies (Trinidad), Guiana.
Achmea fulgens, <i>Paxt.</i>	Tropical South America.
„ bracteata, <i>Grise.</i>	W. Indies (Trinidad).
„ sp.	Trinidad.
„ paniculigera, <i>Gr.</i>	Trinidad, Venezuela.
Macrochordium melananthum, <i>Beer.</i>	Trinidad, Guiana.
Brocchinia Plumierii, <i>Grise.</i>	W. Indies (Trinidad).
Pitcairnia tabulæformis,	Australia.
„ angustifolia, <i>Ait.</i>	Mexico, W. Indies.
Tillandsia setacea, <i>Swartz.</i>	W. Indies.
„ compressa, <i>Bert.</i>	Jamaica, Trinidad.
„ Balbisiana, <i>Schultz.</i>	W. Indies (Trinidad).
„ flexuosa, <i>Swartz.</i>	Trinidad, Venezuela.
„ glutinosa, <i>Mart.</i>	Trinidad.
„ bulbosa, <i>Hook.</i>	Jamaica, Trinidad.
„ argentea,	Brazil.
„ amæna, <i>Lodd.</i>	W. Indies (Trinidad).
„ anceps, <i>Lodd.</i>	W. Indies (Trinidad).
„ excelsa, <i>Grise.</i>	W. Indies (Trinidad).
„ usneoides, <i>L.</i>	Western Tropics.
Guzmania tricolor, <i>R. P.</i>	Cuba, Trinidad, Venezuela
Caraguata lingulata, <i>Lindl.</i>	W. Indies (Trinidad), Guiana.

339 Read Tritoma for Tritonia, and add after 23rd line—

PONTEDERIACEÆ.

- Pontederia crassipes, *Mart.* Trinidad, Guiana.
- 344 Add after Oryza sativa, *O. latifolia*, *Desv.*
- 347 Read Bahia for Bahai.
- „ Arthropteris for Arthopteris.

PROCEEDINGS
OF THE
SCIENTIFIC ASSOCIATION
OF
TRINIDAD.

PART VII.]

[JUNE 1869.

Tuesday, 12th January, 1869.

R. J. LECHMERE GUPPY, F.G.S., F.L.S., &c., President, in
the Chair.

The following Visitor was introduced ;—Dr. Forbes New-
sam, by Mr. Lambert.

The following donations were announced :—

1. "The Annals of the Lyceum of Natural History of
New-York." April, 1868. Presented by the Lyceum.
2. "Notes on the Land Shells of Trinidad, Grenada, and
Dominica." By Thomas Bland, Esq., F.G.S. Presented by
the Author.

The Secretary read the following Report :—

As Secretary I have to present the following statement of the progress of the Association during the past twelve months, and of its condition at the end of that period.

The numbers of the Association do not show any augmentation since the last Report. This is in some measure owing to the fact that the names of several of our former members have been removed from the list in consequence of non-compliance with the rules.

We have elected 5 members and 2 corresponding members during the preceding year ; one of the latter has been elected a full member, and is included in the former number. Three of the previous members have been removed from the list, and three have resigned, leaving the composition of the Association as follows :—

Members.....	25
Honorary Member.....	1
Corresponding Members.....	11
	<hr/>
Total.....	37

being a decrease of one member and an increase of one corresponding member as compared with the previous year.

The finances are, as to be noted, in a prosperous condition. The balance, however, would not have been so large had not the Fourth Part of our Proceedings fallen below the average size owing to the paucity of papers read during the first half of the year now under consideration. On the other hand during the last three months our expenses have been much increased by our meetings taking place in a room in a public building, and the necessity we have been under of providing some articles of furniture as well as refreshments for the members. Though this will be felt more in the ensuing year,

I see no reason to fear that our finances will prove insufficient, a proper degree of economy being maintained.

The hope expressed by the Secretary in his last report that the sale of the Proceedings would show an increase in the year just ended, has been amply realized, and it is gratifying to see so respectable an addition to our resources under this head; much of this is due to the sale of our Proceedings in England, a publisher in London having undertaken the Agency there.

The following is the balance-sheet of the Association on 31st December last :—

RECEIPTS.			PAYMENTS.		
	\$	c.		\$	c.
Balance, 1st Jan. 1868.....	27	10	Printing, &c.	67	22
Subscriptions received.....	99	90	Postage and Stationery.....	8	84
Corresponding Members ...	9	95	Expenses of Meetings.....	14	71
Sale of Proceedings	30	51	Furniture.....	12	85
			Remittances and Charges...	3	72
			Balance, 31st Dec. 1868...	60	12
	\$167	46		\$167	46

The following list comprises the Papers that have been read :—

1. The Annual Report of the Secretary.
2. Table of Rainfall for 1863-4-5-6-7. By T. W. Carr.
3. R. J. Lechmere Guppy, F.L.S. & G.S.—Note on the Earthquake of 7th July, 1868.
4. Capt. Henry Kelsall, A.D.C., of H.M. 16th Regt.—Notice of the occurrence of the Scarlet Tanager in Trinidad.
5. The Hon. R. Hill.—On Poisonous Fishes.
6. Dr. Günther, F.R.S., &c.—Note on Three Cyprinodontes, Small Freshwater Fishes of Trinidad.
7. The Hon. R. Hill.—On Fish-poisons.

8. R. J. Lechmere Guppy, F.G.S. & L.S.—Further additions to the catalogue of Land and Freshwater Molluska of Trinidad.

9. Henry Prestoe, Government Botanist.—Catalogue of Plants in the Botanic Garden.

The latter paper which is a valuable contribution to our stock of knowledge relative to this Island, will appear in the next Part of our Proceedings. As it will occupy much space, special arrangements have been made by which the expense of printing will not fall on the Association.

Donations of various publications have been made by the Sociedad de Ciencias of Caracas, and the exchange of our respective proceedings has been agreed-to by that Society and ourselves. It is much to be wished that other scientific bodies in this part of the world, of which there are unfortunately but few, would similarly unite with us in the diffusion of valuable information.

Allusion has already been made as to our having obtained a place of meeting in a public building. Our accommodations are, however, anything but satisfactory, and it is to be hoped that before long better arrangements on this point will be made.

I should bring under the notice of the Association the necessity which will soon arise for binding the papers and books presented to the Society, and of adopting some rules whereby such donations may be made more accessible to the members for reading and reference.

HENRY F. J. GUPPY,
Secretary & Treasurer.

The following communication was read :—

*Notes of a Voyage round the Island of Trinidad in
October, 1868.*

By THOMAS WILLIAM CARR.

(Communicated by the President.)

PART I.

(ABRIDGED.)

Mr. William Tucker having invited me to accompany him on a coasting voyage, I gladly took advantage of his invitation, with a view to make myself better acquainted with the geography and natural history of the island. We sailed from Port-of-Spain on the 11th October last, and ran down to Monos to take in ballast. We neared that Island towards 3 p.m. during a southerly squall heralded by thunder and accompanied by driving rain, the wind veering round to east, and going down in about three-quarters of an hour as the storm passed by to the West.

We were fortunately so close to our destination that we were able to gain shelter behind Dominique Point, and run into l'Anse Maho in the bottom of Dehert Bay, anchoring just as the squall and gloom reached their height. We lay nearly landlocked ; and the storm, by the rapidity of its passage, not having had time to raise a sea in the Gulf, we were in still water.

This squall recalled to our minds that it was the anniversary of the last Hurricane by which the island had been visited : this, the only Hurricane of which I (or Mr. Tucker) had had any experience, set in near midnight of the 11th October, 1847, lasting in strong but fitful blasts for about 3

hours. Trinidad was swept by the southern skirt of a Hurricane, which having exerted its full force in passing over Tobago, ran in a path nearly parallel with our Northern shores, striking Carupano and Pampatar (Margarita.) Its influence was slight to the south of the Caroni and the Oropouche rivers, and in Naparima it was not felt at all. In Trinidad, Toco suffered most, being nearer to the heart of the storm than any other exposed quarter. In town, the Dry river ran wild, and the bridges were carried away. In the vallies running down through and from the northern range of mountains, Cacao estates suffered from the fall of the Bois Immortels ; fallen Bamboos choked the Carenage road where it passes through the Hope estate in the mouth of the Diego-Martin valley, and Plantain and Manioc fields suffered much. Beyond the injuries and the wreck of the boats and droghers in our harbor, no further notable harm was done. The larger craft held to their anchors, as they generally have done here in similar cases, thanks to our excellent holding ground (mud), to our enclosed position, and to the merely third or fourth-class character of the few Hurricanes by which we are visited. Only four Hurricanes are recorded as having touched this island within the present century ; they occurred on

18th October, 1809.

12th August, 1810.

23rd June, 1831.

12th October, 1847.

That of 1831 was the worst, and was felt throughout the Island—the wooden jetties at San Fernando and Port-of-Spain were destroyed, many feluccas wrecked and several ships were driven on shore, but the bottom being mud these were subsequently hauled back into deep water unhurt. On this occasion also the Dry River overflowed its banks.

The plants I particularly noticed in Monos were the following :—

Tecoma stans (Bois flambeau.)

Cnidoscolus napaeformis.

Lantana camara (Sage.)

L. radula.

Cordia cylindristachys (Black Sage.)

C. interrupta.

Blechnum Brownei.

Stachytarpheta cayennensis } (Bastard Vervains.)
S. jamaicensis }

Cassia bacillaris.

Cosmos sulphureus.

Desmodium axillare.

D. incanum.

Crotolaria incana.

Evolvulus sericeus.

Pitcairnia angustifolia.

Anthusium Huegeli.

Wulffia havanensis.

Randia aculeata.

Chiococca racemosa var.

Pithecolobium oblongum.

Bumelia buxifolia.

Brunfelsia fallax.

Critonia parviflora.

Peperomia obtusifolia.

Pedilanthus tithymaloides.

Solanum lanceifolium.

S. radula.

Miconia sp.

Macfadyena sp.

Ogiera ruderalis.

Wedellia caracasensis.

Paritium tiliaceum.

Sophora tomentosa.

Acacia paniculata ?

Combretum sp.

Gomphia nitida.

Dioclea guianensis.

Cypsela humifusa.

Lonchocarpus pentaphyllus.

Securidaca Brownei.

A small tree, 12-15 feet high, not unlike, in stem, branching and proportions, that I can recollect a standard Apple tree to be, and that grew pretty commonly along the cliffy shores, presented a beautiful appearance, having shed its leaves, or nearly all, and being in full blossom with delicate bright-yellow spreading-petalled flowers. The long narrow-based expanding yellow petals remind one of the orchid-like flowers of the *Stigmaphyllon convolvulifolium*, a wild vine running over wild shrubs in the outskirts of Port-of-Spain, or of the *S. diversifolium*, a scandent shrub with a smooth mangrove-like leaf very common in Mangrove swamps. It is *Gomphia nitida*. It flowers profusely on short panicles, and would be very ornamental in a garden when in flower. To my surprise, a person who accompanied us, a native of Monos, in answer to an inquiry as to its common name, said it was 'Mangle Blanc': whereas this was stated by Mr. Crüger to be *Laguncularia racemosa*, a Combretad. Trivial names are applied, in this country at least, on decidedly trivial grounds and quite regardless of repetition: how many Lilacs, Vervains, Sages, Cherries, Pommès, Olives, &c., have we not? belonging to various natural orders, widely apart—and is it

not so, over the world, with Cedars, Oaks, Beefwoods, &c. ? Such confusion shows the value of a fixed systematic nomenclature, but as this can never come into common use, we should endeavor, in common names, to hold to some special and if possible the aboriginal name of a plant, as Mammee instead of Mammee-apple, Jambolan instead of Java-plum or its absurd creole alternative of Prune mariage, Avocado instead of Avocato-pear, Alligator-pear or Zaboca, and so on through numberless instances. I once asked an old black man what, if any, common name was given to a pretty pink-flowering plant (*Stachytarpheta mutabilis*)—pointing to it—“wha’ we caal ’im, hea’about ?—Queen-Victoria dressin’-gown-bush,—da he naim,—putty flower !”

On the beach of l’Anse Caribe a Conchologist would look in vain for a single shell ; yet a friend who stayed there ten days during last month, December, brought back from it not less than 30 species, in various condition, whole, broken, and fragments. We had been talking of shells before he went down, and when there, having little occupation or variety of modes in which to pass the time, his household amused themselves with seeking shells by scraping aside the stones and fine gravel. *Columbella mercatoria*, *Nassa antillarum*, *Cerithium vulgatum*, *Cerithium versicolor* and *Purpura auriculata*, were numerous ; *Murex pomiformis*, *Columbella lævigata*, *Capulus intortus*, *Nerita præcognita*, *Siphonaria lineata* and the handsome *Triton pilearis* were pretty frequent—the remainder were generally single specimens or fragments—these were all what a malacologist would call dead shells, indicating nevertheless the existence of as many living species of mollusks in the sea washing that shore.

On the very narrow beach cleared of the bushes for a land-

ing place, there were a number of *Trigona Mactroides*, the valves united but the animal invariably gone—they had apparently been gathered for cooking, and, after boiling, the meat had been taken out without breaking the hinge. The same remark applies to the *Asiphis rugosa* and the *Venus crenulata* also found here in considerable numbers. I saw no other shells here than those four sorts. The bottom of this bay is probably too calm to allow of shell fish or dead shells being driven ashore on its beaches.

Tuesday, 9th February, 1869.

R. J. LECHMERE GUPPY, F.G.S., F.L.S., President, in the Chair.

Edward Johnston Hammond, Esq., M.R.C.S., L. was elected a Member.

The following communication was read :—

NOTICE of some new MARINE SHELLS found on the SHORES OF TRINIDAD.—By R. J. Lechmere Guppy, F.L.S., F.G.S. &c,

Purpura trinitatensis n. sp.

A solid ovate yellowish subimbricate shell adorned with numerous rounded spiral ridges which are crossed by fine imbricating striæ. Whorls about 6, with 4 spiral rows of obtuse elongated tubercles, of which the two upper rows are much the largest, the superior one forming the angle of the whorls. Suture hidden by a row of stout curved and reflected lamellæ, of which there are about 3 above each of the tubercles on the angle of the whorl. Spire conic, sharp. Mouth pink within and often ornamented with two or three more or less interrupted spiral red or chestnut lines corresponding to the external rows of tubercles. Aperture oval with a small and decided posterior canal forming the succes-

sive sutural lamellæ ; anterior canal open and a little reflected. Pillar lip smooth, flattened or hollowed out, bright pink ; outer lip denticulate, obsoletely striate within. Height 40 millimetres, greatest breadth 27 mill., longest diameter of aperture 26 mill.

A species somewhat resembling *P. mancinella*, but with a sharper spire and a more decided striation. The sutural lamellæ are well developed like those of *P. coronata*. There is a strong ridge round the base. Gulf of Paria.

Cardium eburniferum n. sp.

Shell a little angularly suboval, moderately tumid : externally marked with irregular orange-brown spots, and adorned with 35 narrow imbricated ribs closely covered towards the margins of the shell with numerous porcellanous semitubular tubercles, which are thicker anteriorly ; posterior edge nearly straight, strongly serrate. Hinge-teeth $\frac{1-1-1}{1-1-1}$ —strong.

Interior salmon-color, growing white towards the strongly dentrate margins which are yellowish. Height 52 mill., length 45, thickness 40. South Coast of Trinidad (T.W. Carr).

Cardium haitense Sowerby.

Quart. Journ. Geol. Soc. vol. vi, p. 52, pl. x, f. 11.

An oblique subovate shell with 20—24 radiating nodose rather square ribs wider than their finely crenate interstices. Allied to *C. subovale* Brod.

This was originally described by Sowerby as a fossil from Haiti, but I have dredged two small examples of it in the Gulf of Paria.

Arca centrota Guppy.

Proceedings of the Scientific Association, p. 175 (Dec. 1867).

This species was described as a fossil, but I have since ascertained that it is likewise living on our coasts, having been collected by myself on the shores of the Gulf of Paria, and by Mr. Carr on the South Coast. Its umbones are often, pink or red, which color is visible inside as well as outside and the shell has a hairy epidermis, generally worn off at the umbones. Height 17, length 24 mill, The following is the original description :—

“Transversely subrhomboidal, with a strong wide carination running from the umbo to the posterior angle ; ornamented with many (36-38) squamosely nodose radiating ribs each with a fine subsidiary thread-like rib in the narrow interstice ; anterior margin short, rounded ; posterior margin strongly sinuate, angulate above with the hinge-line and forming a more rounded angle with the strongly crenate lower margin. Hinge-teeth small in the middle of the straight hinge, but becoming larger and diverging considerably towards the angles ; ligamental area more or less grooved, especially anteriorly.”

Thracia dissimilis.

Ovate-oblong, compressed, white, roughened by numerous fine granules which are generally arranged in lines radiating from the umbo ; transversely excentrically plaited ; anteriorly rounded, posteriorly vertically truncate, with a keel (most prominent on the smaller valve) running from the umbo to the lower posterior angle. Height 27, length 40, thickness 15 mill.

This is nearly allied to *T. plicata*, which Reeve (C. I. Thracia, 7) considered it to be. Our shell is rather interme-

diate between *T. plicata* and *T. magnifica*, differing from the former in ornamentation and general shape. On a tablet in the British Museum the name *dissimilis* is applied to our species; but I have not been able to find any authority for that name, which I now adopt for the shell.

The animal is furnished with two long siphons separate for the whole of their length and coarsely fringed. The epidermis along the posterior margin extends beyond the the shell and covers the bases of the siphons.

Tuesday, 13th April, 1868.

R. J. LECHMERE GUPPY, F.L.S., F.G.S., &c., President, in the Chair.

The following Donations were announced :—

“Journal of the Society of Arts”—Nos. 819, 824, 825, 826, 827, 837, 838, 832, 840. *Presented by the Colonial Government.*

The following communication was read :—

“On the Manufacture of Sugar by Evaporation.” By The Hon. Henry Stuart Mitchell, M.D., Ph.D.

The last communication which I had the pleasure of submitting to the Association, was an examination of the methods in use or proposed for obtaining the juice of the Sugar Cane in as nearly a state of sugar and water as possible. Experience has decided clearly in favour of slicing the cane and then washing out the saccharine element with water. This may be done in more than one way, but it may be affirmed that science points out as the most perfect mode that in which the cane after the process of slicing is exposed to such a heat under 212° as will be sufficient to fix the albu-

men-oil and colouring matters and at the same time prevent any degenerating process from beginning through the action of the air on vegetable ferment or otherwise till ample time elapse for driving off the superfluous water and isolating the whole sugar in a state of purity. It was further stated that the next best mode of extraction, where the desiccation of the slices was undesirable, would be to macerate the slices as they fell in vessels containing water dosed appropriately with bisulphite of Lime. In either case the displacement of the sugar would be attained in the former methods entirely, and in the latter to extent of about nine-tenths of the whole but of somewhat inferior purity. Whenever the slightest impurity occurs, it should be at once removed by filtration, through charcoal, as it may be safely maintained with Dmitri Davidou, probably the best practical writer on the manufacture of Beet-root sugar, that previous to evaporation, "*the juice must be in a state of perfect purity.*" To this axiom every manufacturer who hopes for success must implicitly conform, and the planter in these colonies who chooses to incur the extra expense and trouble, will yet find it much easier to do so in the earlier stages of manufacture, than in manipulating the comparatively weak but complex juice of the Beet in Europe, or in refining, an originally low quality of Muscovado.

To attain such purity animal charcoal is the agent almost universally employed, but wood charcoal and many shales possess similar power and though in less degree have been occasionally used as substitutes. To gentlemen connected with this Colony it must be interesting and may be profitable to know, that in the Bitumen which exists so abundantly in the Pitch Lake and elsewhere, they possess a substance

which carefully manipulated, equals animal charcoal in decolorising power, while it communicates no unpleasant smell to the filtrate, and as refuse becomes a valuable cane-manure. To return to the subject of these remarks, the Evaporation of Cane-juice. It is clear that whatever the mode employed, the end to be obtained is in all instances the same, namely, to get rid of the superfluous water in the shortest time, and with least injury to the remaining sugar—in other words, to expose the largest surface of liquid to the largest heating surface under such circumstances as do not necessarily involve deterioration of the liquid. Omitting for the present any consideration of Vacuum-pan working, which is the most perfect as well as the most expensive, I shall confine these remarks to evaporation from the inclined plane and by the Shower.

The Inclined Plane or tray was originally described by its Inventor in 1837, as a shallow trough 6 metres long and 2 metres wide, made of copper and heated by steam, with the lower end at such an inclination, that the Beet-root juice when poured on the upper part in a state of "perfect purity" took two minutes and-a-half to reach the lower end, whence it fell in a continuous stream, marking $22\frac{1}{2}$ degrees of Beaumé, the temperature on the surface never marking above 72° of Reaumur (167° Fahr.) This inclined plane was imperfectly divided throughout its whole extent by transverse perpendicular flanges alternately attached to the opposite sides of the tray in such a manner that the liquid in its descent had to traverse the whole breadth of the pan before escaping at the free end of each flange to course along the next one—each flange thus acting as a dam or gutter till the liquid reached its free end, descending to the next, and so on, till

the liquid to be evaporated come in contact with, many hundred feet of evaporating surface. A blast of air along this surface as proposed by the inventor, but not put in execution by him, would, if heated or even dry, have more than doubled the evaporative effect. Dmitri Davidou then proceeds to state the results obtained in the following language : " Les produits bruts que j'ai obtenus l'année passée (1836) de la betterave très altérée, à l'aide de mon plan incliné (après lequel j'achevai la concentration du sirop dans un cylindre tournant) avaient la blancheur de la neige et offraient l'aspect du sucre en pains par le rapprochement compacte de leurs cristaux, mais comme les sirops n'avaient point subi l'action violente du feu, la saveur, etc."

These results are brilliant, and it is not astonishing that a pure juice (for Davidou insists on purity as essential) should when rapidly evaporated by steam in a copper vessel at a low temperature produce a white concrete, the wonder is that a system so simple and presenting such advantages, should have remained in abeyance till within the last 3 or 4 years, when it has been revived by Mr. Fryer in the introduction of the Concretor. This last, a modification of the inclined plane and cylinder of Davidou, appears to be a wonderful improvement on the carron coppers, producing in a single concrete form, easily made, handled and shipped with little or no loss, what was formerly shipped with great trouble as the two separate articles, sugar and molasses with an eventual loss on their aggregate of seldom less than 12 or 14 per cent. Mr. Fryer rates the gain at something over £4 per ton by employing the Concretor ; I am inclined to place it much higher if the apparatus be worked with care, not that it will ever give or was ever intended to give a white concrete like

Davidou's, its iron surface cannot be kept as clean as that of the copper plane, nor can its open fire be as carefully regulated as a steam supply. Yet the principle is one whose adoption must lead gradually from one modification to another till it end in the production of pure concrete or loaf sugar ; this was probably not intended by Mr. Fryer, but to me the conclusion appears to be inevitable and not remote.

The second method of evaporation to which I would direct your attention is the "Shower ;" a process which may dispute the palm with the inclined plane of Dmitri Davidou or the more recent Fryer's Concretor—inasmuch as the surface it exposes, either to steam or heated air, is practically unlimited. and the heat does not rise high enough to scald the fingers, The application is as follows : premising as in the preceding mode that the cane-juice to be operated on is perfectly pure, it is received into a vessel heated by steam or otherwise ; to this is adapted a pump, endless belt or other suitable elevator, which by its action raises the liquid to be evaporated to any given height above the receiving vessel, into which it again falls through a sieve or perforated surface in as many dropping rills as there are perforations in the sieve ; through this "Shower," which gives its name to the apparatus, dry or heated air may be driven or not, according to the speed of evaporation required. It is clear that by increasing the height of the Shower and the amount of dry air driven through its particles or drops, the superfluous moisture may be driven off with such speed as to cause almost instantaneous evaporation. The action of the apparatus when used with water illustrates its power more clearly. When applied to a vessel 3 feet wide by 5 feet long 2 feet deep, in which the water was made to boil fiercely, the temperature of the water

immediately sunk to 150° fahrenheit, nor could the skill of the fireman raise the heat higher, as long as the "Shower" was in action. This mechanism, including the Fanner blast, was worked successfully on a practical scale before Lord Harris, the Governor of Trinidad, and several Members of the Legislative Council, in 1849, and those present satisfied themselves, that while the Shower was in full action and the evaporation at its quickest, the syrup could be handled with impunity. The importance of using cane-juice or syrup in a state of perfect purity is so great, that you will perhaps excuse me for adding a few words on this subject, and recommending to your careful examination an automatic or self-acting process for clarifying and cleansing cane-juice or other materials in the earlier stage of evaporation. It was borrowed originally from Cuba, and subsequently patented in Trinidad and Demerara.

Tuesday, 8th June, 1869.

R. J. LECHMERE GUPPY, F.L.S., F.G.S., &c., President, in the Chair.

In the absence of the Secretary, Dr. Knaggs was requested to act in his place.

The following Donations were announced :—

"Journal of the Society of Arts," Nos. 834—839. *Presented by the Colonial Government.*

"Scientific Opinion," Nos. 1—20. *Presented by the President.*

NOTICE OF MEMOIR.

HYDRASPIS GORDONI.

Dr. J. E. Gray has described to the Zoological Society of London a new Tortoise from Trinidad, which it was proposed to call Hydraspis Gordoni, a specimen having been deposited by The Hon. Arthur Gordon in the Society's Gardens.

[R. J. L. G.]

